

Hvordan utforme en Akademisk CV?

Professor Gunnar Hartvigsen

Helgelandssykehuset HF

Universitetet i Tromsø – Norges arktiske universitet

29.04.2025

Jeg har vært mentor for mange
yngre og noen «godt voksne»
forskere og vitenskapelig ansatte

Jeg har vært mentor for mange yngre og noen «godt voksne» forsker og vitenskapelig ansatte

Hva tror du er det
første spørsmålet
jeg stiller?

Har du oppdatert
din akademiske
CV?

Hva tror du
svaret er?

Nei – det har jeg
nok ikke tenkt på.
Burde jeg det?

På neste mentormøte
forteller de at de har
forsøkt å finne ut hva de
har bidratt med de siste
10-20 år

Et godt råd

Du bør fortløpende oppdatere din akademiske CV og eventuelt også din pedagogiske CV (dersom du har skilt mellom disse, noe som jeg mener du bør gjøre)

Skal alt være med i
en akademisk CV?

... det kan selvsagt
være noen
velbegrunnede
unntak ...

OK - men hva med
resten av CV'n?



ANDERS ANDRESEN

Jeg er en resultatorientert, målbevisst og beslutningsdyktig person som ser på mennesker som en viktig ressurs. Jeg har en rekke års erfaring med salg/teknikk, god salgserfaring og en høy salgskvalitet. Som hovedrolle er jeg blitt til å skape gode forutsetninger for mine kolleger og jeg har vært ansvarlig for å skape et godt miljø på jobben. Jeg ser på meg selv som **genuin, handlekraftig, energisk og trygg** med god selvsikkerhet.

Jeg liker å ha prosjekter og utfordringer både både i samarbeid og på egenhånd. Jeg har ansvar for, og har meget gode kommunikasjonsfermer. Jeg er positiv i alle situasjoner og har en utvilsomt vilje til å skape en teamfølelse, samtidig som jeg verdsetter min egen rolle for å nå våre mål.

PERSONLIG

Navn: Anders Andreassen

Adresse: Sandnessveien 303, 1411 Oslo

Telefonnummer: 914 12 34 567

E-post: anders.andreassen@no

Fødselsdato: 12.04.1988

Facebook: Anders Andreassen

Kjønnet: Mann

Høyde/vekt: 185cm / 75kg

Språk: Norsk, Engelsk, Tyisk

ARBEIDSERFARING

aug. 2015 - Gjeldende: Hotell direktør
 Carlson Collection hotell Sandness, Oslo

- Ansvar for hotell drift
- Personale og økonomi
- Markedsføring og salg
- Personale og økonomi
- Salg og markedsføring
- Markedsføring og salg
- Markedsføring og salg

mai 2014 - juni 2013: Management trainee program
 Nordic Choice Hotels, Sandness

- 11 måneder med innføring i alle funksjoner i hotell drift
- Salg
- Markedsføring
- Markedsføring
- Markedsføring
- Markedsføring

aug. 2011 - mai 2014: Helsepersonell
 Oslo Helsepersonell, Oslo

- Markedsføring og salg
- Markedsføring
- Markedsføring og salg
- Markedsføring og salg
- Markedsføring og salg
- Markedsføring og salg

mai 2009 - juni 2011: Helsepersonell
 Oslo Helsepersonell, Oslo

- Markedsføring og salg
- Markedsføring og salg
- Markedsføring og salg
- Markedsføring og salg
- Markedsføring og salg
- Markedsføring og salg

aug. 2007 - feb. 2008: Frivillighetsarbeid
 Oslo, Sandness

- Markedsføring og salg
- Markedsføring og salg
- Markedsføring og salg
- Markedsføring og salg
- Markedsføring og salg
- Markedsføring og salg



Amelia Davis

Due to graduation in 2018, I have acquired technical knowledge and skills from my studies as well as practical and business skills from my industrial work in the Netherlands. I have used a range of languages, operating systems and development tools as well as engineering the system development life cycle. Specializing in mobile technology, I am keen to develop as a graduate trainee in software development.

Work experience

Junior software developer 2015 - present
 Explore the web, London

Used a range of languages, operating systems and development tools as well as engineering the system development life cycle. Specializing in mobile technology, I am keen to develop as a graduate trainee in software development.

Website analyst 2017 - 2018
 Quality, London

- Creating website analysis
- Writing personal branding plans
- Online marketing and analytics
- Online marketing and analytics

Online marketing 2018 - 2019
 Adwords, Adwords

- Analyze and optimize problems within different search engines
- Search engine optimization
- Leading large scale marketing activities
- On-site SEO research and writing optimization reports

Education and Qualifications

Computer Science and Software Engineering sep 2012 - jun 2017
 University of London

BSc Computer Science and Software Engineering with Industrial year. Predicted 2:1. Modules include object oriented programming, machine applications, AI and systems development.

BTEC Level 3 ICT and A-level maths sep 2008 - jun 2012
 A-levels, A-levels

Skills

Microsoft Office ██████████

Google Analytics ██████████

Google Adwords ██████████

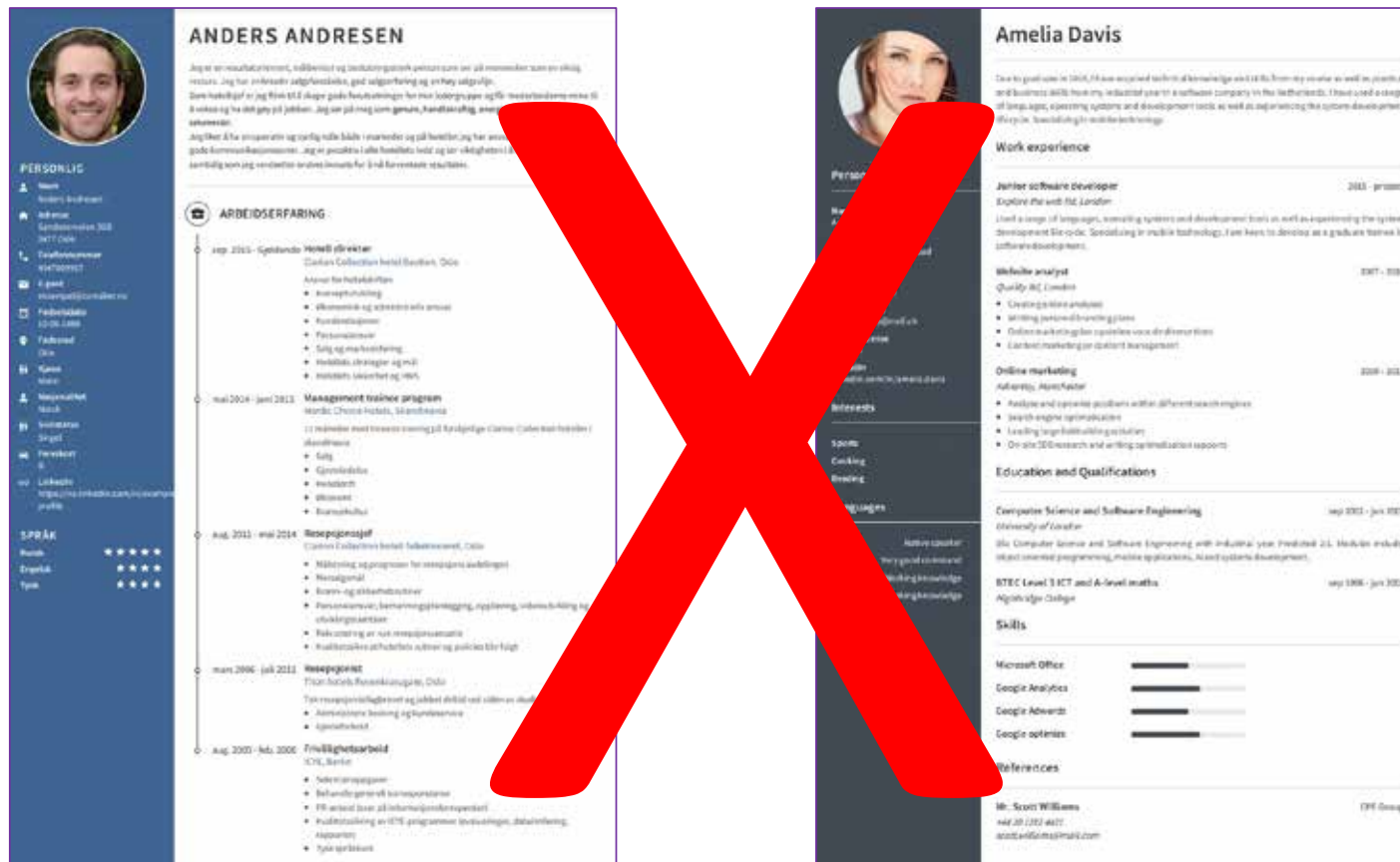
Google optimise ██████████

References

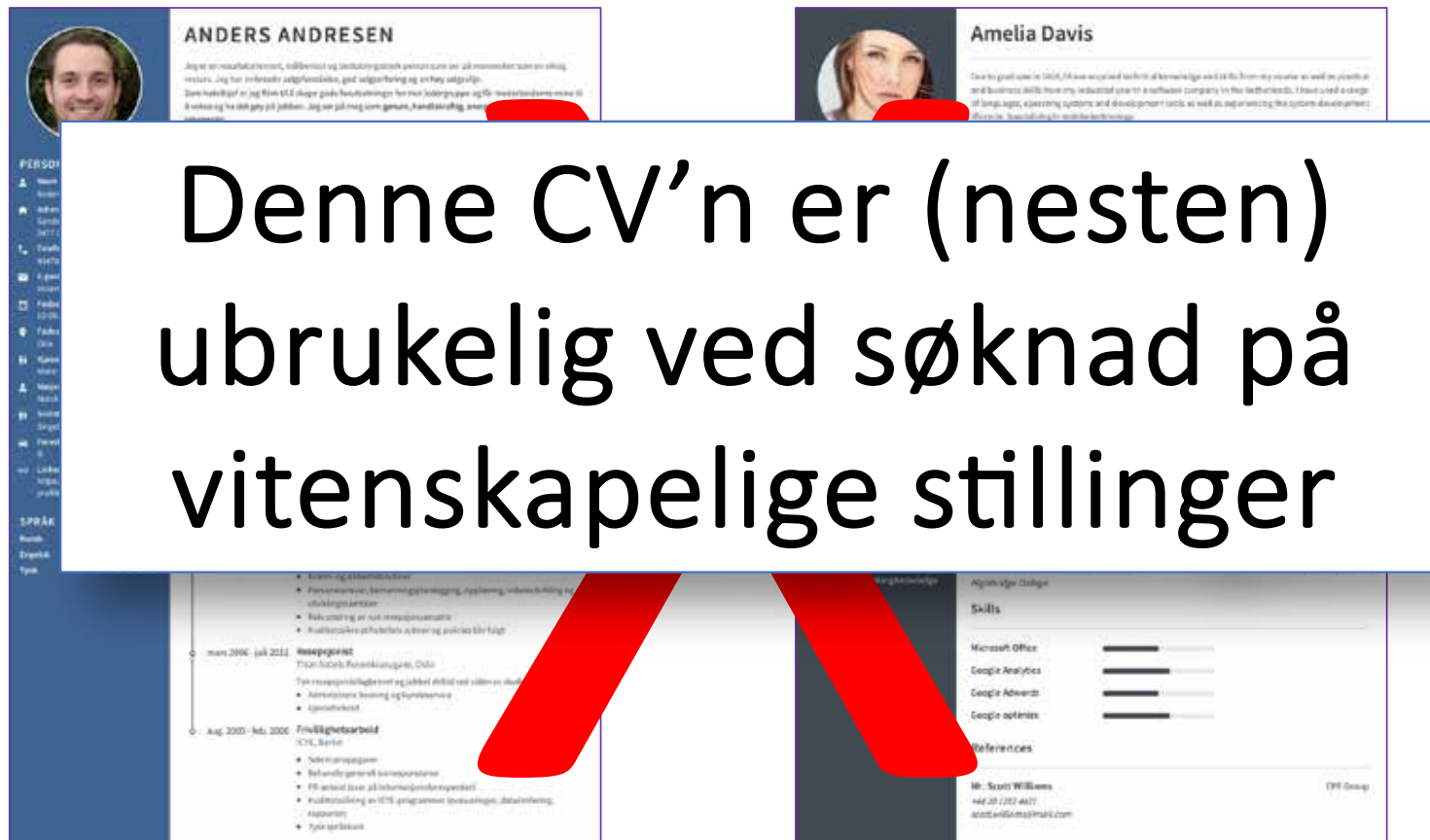
Mr. Scott Williams 070 123 4567
 scott.williams@gmail.com

CPD Group

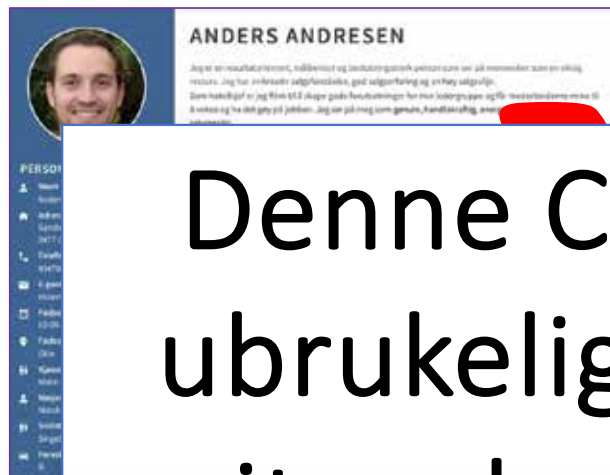
Kilde: <https://www.cvmaker.no/storage/CV-eksempel-Hotell-direktor.jpg>



Kilde: <https://www.cvmaker.no/storage/CV-eksempel-Hotell-direktor.jpg>



Kilde: <https://www.cvmaker.no/storage/CV-eksempel-Hotell-direktor.jpg>



Denne CV'n er (nesten)
ubrukelig ved søknad på

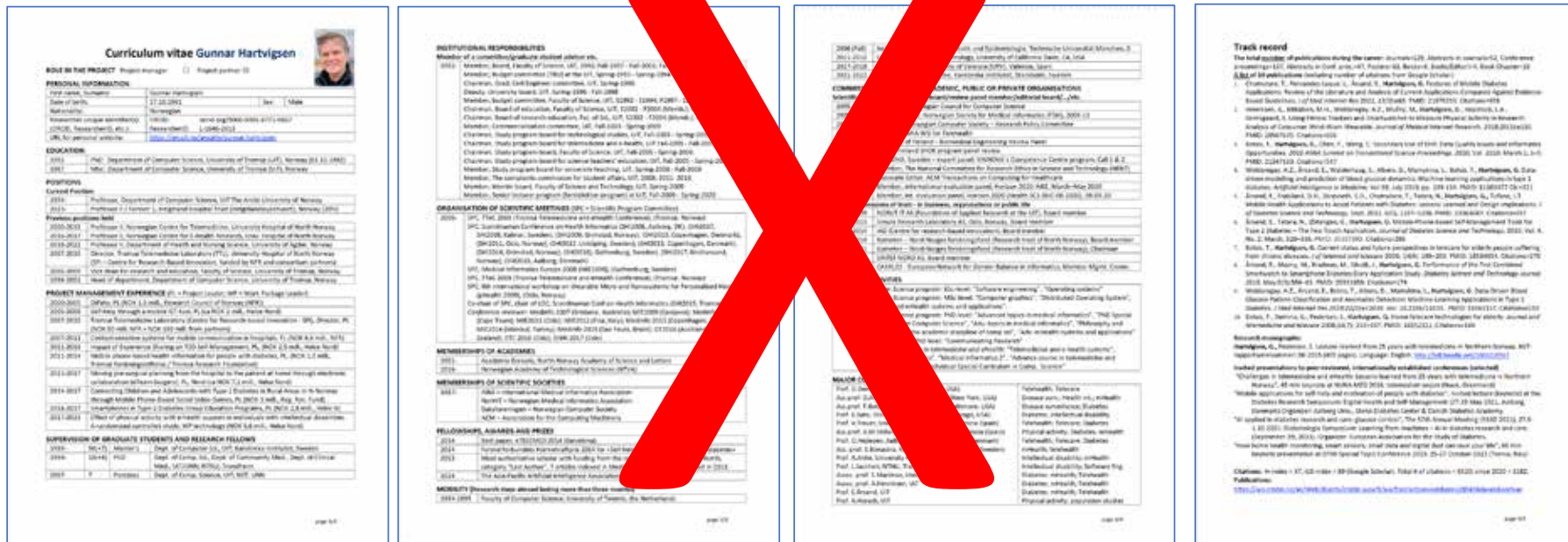
MEN – det som står i
denne CV'n inngår selvsagt
også i en akademisk CV

Kilde: <https://www.cvmaker.no/storage/CV-eksempel-Hotell-direktor.jpg>

Hva med NFR-malen? (Max 4 sider)

[illegible][illegible]

Hva med NFR-malen? (Max 4 sider)

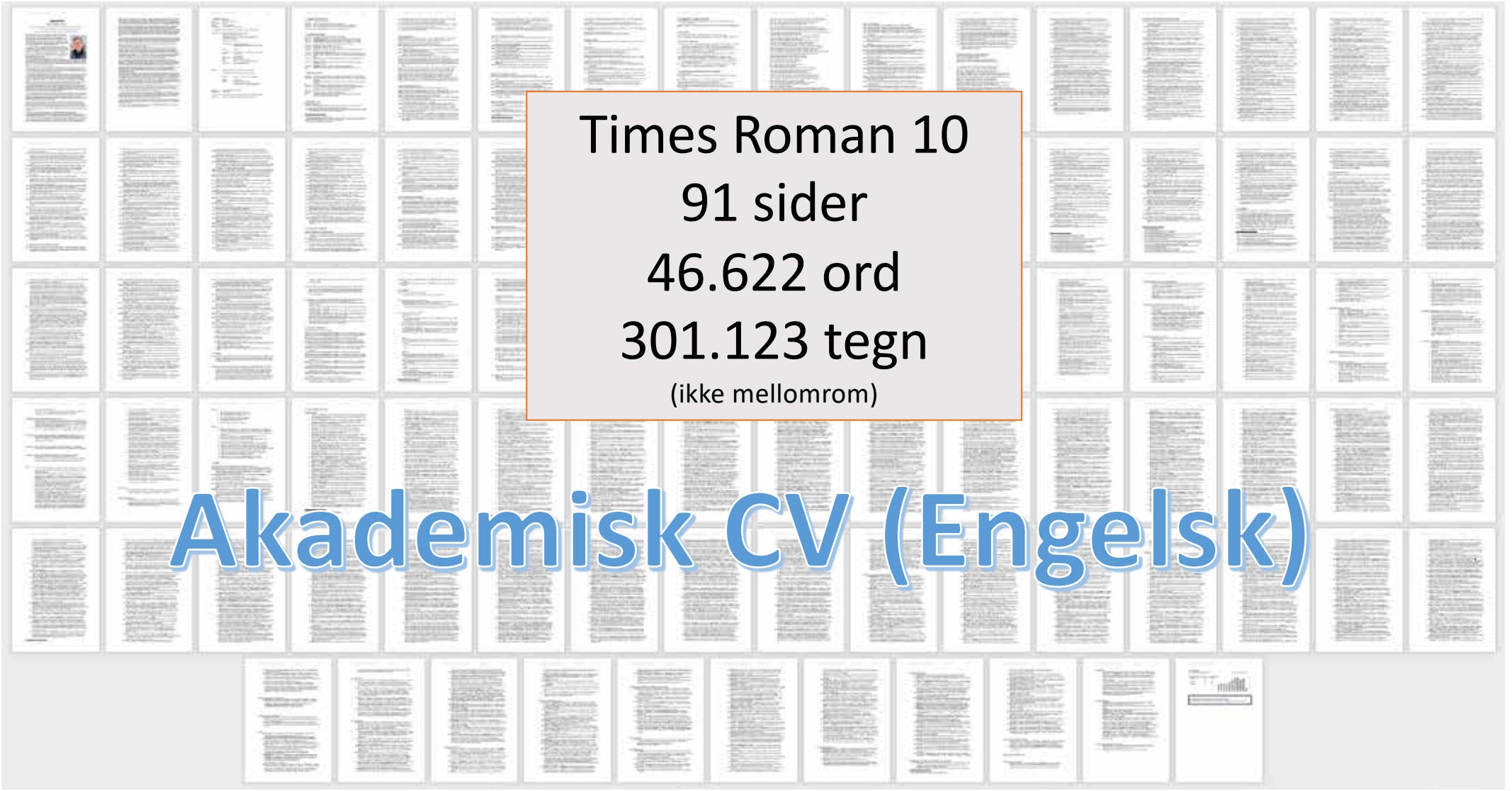


Hva med NFR-malen? (Max 4 sider)

Denne CV'n er bedre, men for de fleste søkere så er ikke den tilstrekkelig for å kunne dokumenter bredden i søkerens kvalifikasjoner

NB! Helse Nord benytte NFRs mal for CV

Curriculum vitae with track record		
Please note:		
• The CV should be maximum 4 pages.		
• Keep the page format of this template (A4, 2 cm margins, single spacing, font 11, Calibri).		
Delete this box, and any non-applicable sections, before submitting the CV.		
Role in the project ☒ Principal manager ☐ Project participant ☐		
Personal information		
First name, Surname:		
Date of birth:	Sex:	
Nationality:		
Researcher unique identifier(s) (ORCID, Scopus, etc.):		
URL for personal website:		
Education		
Year	Faculty/Department - University/Institution - Country	
2000 (dissertation defended)	Ph.D.	
1995	Master	
Positions - current and previous (Academic sector/research institutes/industrial sector/public sector/other)		
Year	Job title - Employer - Country	
2000		
2000-2000		
Career breaks		
Year	Reason	
2000-2000		
Project management experience (Academic sector/research institutes/industrial sector/public sector/other. Please list the most relevant.)		
Year	Project owner - Project - Role - Funder	
2000-2000		
Supervision of students (Total number of students)		
Masters students	Ph.D. students	University/Institution - Country
Other relevant professional experiences (If e.g. institutional responsibilities, organisation of scientific meetings, membership in academic societies, review boards, advisory boards, committees, major research or innovation collaborations, other commissions of trust in public or private sector)		
Year	Description - Role	
2000		
Track record		
• The total number of publications during the career.		
• A list of up to ten publications in major national or international peer-reviewed journals, peer-reviewed conference proceedings, peer-reviewed book chapters and/or monographs.		
If applicable:		
• Other outputs of relevance (e.g. datasets, software, DOI , patent , reviewed publications).		
• Granted patent(s).		
• Industrial or public innovation or design and/or highlights from research or innovation with societal impact.		
• Invited presentations to peer-reviewed national or international conferences and/or international advanced schools.		
• Experiences from major research communication, dissemination or outreach activities and/or invited presentations in public conferences.		
• Fellowships, awards and prizes.		



Times Roman 10
91 sider
46.622 ord
301.123 tegn
(ikke mellomrom)

Akademisk CV (Engelsk)



Times Roman 10
99 sider
50.131 ord
335.410 tegn
(ikke mellomrom)

Akademisk CV (Norsk)

En egen norsk CV er egentlig ikke nødvendig

Min akademiske CV (norsk og engelsk) kan lastes ned fra min hjemmeside ved UiT

<https://uit.no/ansatte/gunnar.hartvigsen>

UIT Norges arktiske universitet

Enheten / Ansatte / Gunnar Hartvigsen



GUNNAR HARTVIGSEN

Om Forskning og undervisning CV Arbeider i Cristin Vedlegg Her finner du meg

Stillingsbeskrivelse

Gunnar Hartvigsen, ph.d., har siden 1989 vært ansatt ved Universitet i Tromsø - Norges arktiske universitet (UiT). Fakultet for naturvitenskap og teknologi, Institutt for informatikk (IT), først som amanuensis (1989-91), deretter som ferdiansvarer (1991-94) og fra 1994 som professor i informatikk. Hartvigsen er leder for forskningsgruppen for Helseinformatikk og telemedisin (HIT) (tidligere: medisinsk informatikk og telemedisin (M&T)) ved instituttet. Hartvigsen er også professor i Kristin 1 ved Høgskolen i Bodø (2003-5). Han var i perioden 2000-2011 professor II ved Nasjonalt sentral for samhandling og telemedisin (NOST) ved Universitetshuset Nord Norge HF (UNN). I perioden 2016-2017 var han professor II ved Nasjonalt sentral for e-helseforskning ved UNN. I perioden 2018-2022 var han ansatt som professor II ved Institutt for helse- og sykdomsforskning, Fakultet for helse- og drevetvitsenskap, Universitet i Agder (UJA), campus Grimstad, og tilknyttet Senter for e-helse, UJA. Hartvigsen har også vært ansatt som professor II ved Høgskolen i Hedmark (1995-1998) og Høgskolen i Busk (1998-2000).

Hartvigsen var i perioden 2000-2009 prosjektsjef for forskning og utdanning ved Det matematiske naturvitenskapelige fakultet, UiT. Han har tidligere bl.a. vært instituttleder, instituttmedarbeider og undervisningsleder ved Institutt for informatikk, UiT. Hartvigsen har omfattende administrativ erfaring fra UiT som leder for en rekke råd og utvalg. I 2004-2006 var han leder for Nasjonalt fagråd for informatikk. I årene 2010-2017 var han medlem av Nasjonal forskningssjef for naturvitenskap og teknologi (NOST). Hartvigsen var fra 2007 til 2013 leder for Tromsø Telemedisin Laboratory (TTL), ett av Norges 14 første sentre for forskningsdrivnet innovasjon (SIS). I perioden 2004-2025 er han medlem i Kunnskapspartnershipets kompetansesenter for helse.

Hartvigsen har veiledet 36 mastergrads- og 18 doktorgradstudenter. Han er for tiden veileder for 4 doktorgrads- og 7 mastergradstudenter. Han har videre veiledet 2 postdoktorer (ved UNN). Hartvigsen er for tiden medlem for ferdiansvarer ved UiT. Han har tidligere vært mentor for fire ferdiansvarer tilknyttet UiT. Opplysningene for helse, en universitetsleder, en forsker og en ferdiansvarer ved UiT, og en ferdiansvarer ved Høgskolen i Bodø.

Siden 1992 har han vært medlem av over 100 bedriftsrådgivere for akademiske stillinger i inn- og utland (Norge, Sverige, Danmark, Finland, Nederland, Tyskland, Canada og USA). Han har vært referent for flere internasjonale konferanser og tidsskrifter. Hartvigsen har videre vært medlem av flere doktorgradskomiteer i Norge, Sverige, Danmark og Nederland. Han har deltatt i flere internasjonale ekspertpaneler for vurdering av store saker med budsjett på opp til 500 mill. NOK i Sverige (UNN) og Finland (Academy of Finland) og 10000. B.A. i 2018 som medlem av et internasjonalt ekspertpanel for vurdering av nye kompetansesenter i Sverige (Stående den norske (Stående den norske) i 2020 var Hartvigsen medlem av internasjonalt ekspertpanel for Horizon 2020 innovative medicines initiative og for Health Sciences).

Hartvigsen har omfattende undervisnings erfaring fra BSc, MSc og PhD nivå. Han har de siste 20 år bl.a. undervist følgende emner: Telemedicine and e-health systems, Advanced telemedicine and e-health systems, Medical informatics, Electronic health records, User interface design, Management Information Systems, Visual programming, Educational software, Introduction to computer science, Computer graphics, Software engineering.

Professor
Institutt for informatikk
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+47 77 64 40 49
90657785
Tromsø
Her finner du meg

UIT Norges arktiske universitet

Enheten / Ansatte / Gunnar Hartvigsen



GUNNAR HARTVIGSEN

Om Forskning og undervisning CV Arbeider i Cristin Vedlegg Her finner du meg

Vedlegg:

Frequently downloaded documents from Gunnar Hartvigsen (pdf)

HIT-group-seminars-2020-2021v1 (pdf)
CV-2024-09-G-Hartvigsen-Eng (pdf)
CV-G-Hartvigsen-September-2024-Norsk (pdf)

Professor
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Her finner du meg

Hva er det en
akademisk CV
dokumenterer?

SVAR

meritter

SVAR – også
mikromeritter

SVAR – og til og
med
nanomeritter

Du kan jo selvsagt velge å
ta bort (enkelte)

nanomeritter

før du leverer fra deg CV'n

NB! CV'n gir i seg selv ikke (topp)kompetanse

«Vi har også fått en hel industri knyttet til teknikaliteter rundt å skrive søknader. Det minner litt om CV kurs der man ikke lærer å styrke sitt CV, men å skrive det bedre, en virksomhet som åpenbart er uten samfunnsøkonomisk verdi.»

Kristian Gundersen, Professor i biologi ved Universitetet i Oslo

(Khrono.no, 10.05.2022)



Jeg er bare delvis enig med Kristian Gundersen når det gjelder CV. Dette fordi en velorganisert CV tegner et positivt bilde av deg. Det gjør det også lettere for en komite og vurdere dine meritter.

OG – den sikrer at du får
uttelling for alle dine meritter

OG – den sikrer at du får
uttelling for alle dine meritter

Og forhindre at en mangelfull
søknad ødelegger for deg

En akademisk CV er
også en sjekkliste,
både for søker og
evaluator

Noen av kravene som må oppfylles mht professorkompetanse



Forskning: (2-)3 doktorgrader, (internasjonal erfaring)



Undervisning: Veiledning av ph.d. student(er), pedagogisk basiskompetanse, pedagogisk tilleggskompetanse (undervisning, veiledning, utvikling i fagfellesskapet)

Veiledende retningslinjer for vurdering av opprykkssøknader

UHRs fagstrategiske enheter (nasjonale fakultetsmøter) har tidligere utarbeidet veiledende retningslinjer for vurdering av søknader om opprykk. Det er foreløpig ikke foretatt en helhetlig gjennomgang av status for disse retningslinjene.

NYTTIGE LENKER

Underdal-utvalgets rapport finner du på [KDs nettsider](#).

Veiledninger fra UHR om opprykk	+
Nasjonalt fagorgan for juridiske fag	+
UHR-MNT	+
Dekanmøtet i medisin	,
DOKUMENTTITTEL	LAST NED
Nasjonale normer for bedømmelse av professorkompetanse ved de medisinske fakultetene i Norge	UiO, revidert 2020
National norms for the evaluation of professorial competence - criteria for assessment at the faculties of medicine in Norway	UiO, revised 2020

Dersom du ønsker å vite mer om hva som kreves for toppstillingskompetanse så finner du alt du behøver på UHRs sider.

Dette blir også omtalt på slutten av foredraget.

<https://www.uhr.no/temasider/karrieropolitikk-og-merittering/opprykkssordninger/>

Jeg kommer hovedsagelig til
å anvende min egen
engelskspråklige akademiske
CV som eksempel

Ikke fortvil om du ikke kan
fylle ut alle områdene – du
kan likevel ende med et
positivt svar

En god del av dette er også
relevant i forbindelse med
utfylling og oppdatering av den
4-siders CV'n som må leveres i
forbindelse med søknader til
Helse Nord RHF og
Forskningsrådet

CURRICULUM VITAE
GUNNAR HARTVIGSEN

Professor, Department of Computer Science, Faculty of Science and Technology,
University of Tromsø – The Arctic University of Norway
Professor, The Helgeland Hospital Trust / HelgelandsSykehuset HF

Gunnar Hartvigsen, PhD, is a professor at the Department of Computer Science, Faculty of Science and Technology, University of Tromsø – The Arctic University of Norway (UiT). He also serves as the Head of the Health Informatics and -Technology group (HIT), formerly known as the Medical Informatics & Telemedicine group (M&T). Additionally, starting in 2023, Dr. Hartvigsen holds a position as professor (Senior researcher) at The Helgeland Hospital Trust / Helsehelgelandshospitalet HF.



From 2018 to 2022, he was professor at the Department of Health and Nursing Science, Faculty of Health- and Sport Science, University of Agder (UiA), and was affiliated with the Centre for e-health at UiA. Between 2016 and 2017, he served as professor at the Norwegian Centre for eHealth Research, University Hospital of North Norway (UNN). Earlier, from 2000 to 2015, he was a professor at the Norwegian Centre for Integrated Care and Telemedicine (NST) at UNN.

Dr. Hartvigsen earned both his MSc and PhD degrees in Computer Science, specializing in Artificial Intelligence, from [UiT](#). Before his tenure at the Department of Computer Science at [UiT](#), he was a research fellow at the Høge School of Business, Norway, from 1987 to 1989. Since 1989, he has held various positions at [UiT](#), including assistant professor (1989-1991), associate professor (1991-1994), and professor (from 1994).

From 2005 to 2009, he was the Vice Dean for research and education at the Faculty of Science, UUT. He has held several honorary posts at the Department of Computer Science, including Head of Department, Vice Head of Department, and Head of Education. He has been a member of several boards and committees at the university, including deputy member of the board at UUT.

Dr. Hartvigsen was the chairman of the Norwegian Council for Computer Science from 2004 to 2006. He was a member of The National Committee for Research Ethics in Science and Technology (NENT) from 2010 to 2017. From 2005 to 2013, he served as a board member of the Norwegian Society for Medical

hospitals (NOK 4.4 million, 2007-2010), *DiPano* - Distributed Electronic Patient Record (NOK 1.5 million, 2000-2004), and *Global Distributed Diary* (NOK 3.3 million, 1996-2001), *Helve Nord* [Smartphones in Type-2 Diabetes Group Education Programs (NOK 2.8 million, 2014-2017); Moving pre-surgical planning from the hospital to the patient at home through electronic collaboration (e-Team-Surgery) (NOK 8.1 million, 2013-2016); Impact of Experience Sharing on Type 2 Diabetes Self-Management (NOK 2.5 million, 2011-2013); Self-help through a mobile ICT tool (NOK 2 million, 2005-2008); *Tromsø forskningsnett* [Mobile phone-based health information for people with diabetes (NOK 1.2 million, 2011-2016)], *Regional Research Fund North-Norway* (CAIMOS - serious games for children with diabetes (NOK 3 million, 2014-2016), *EUrope 2020* (ARIA (EURO 0.5 million, 2012-2013), At-Home - Helsevisen has contributed to several EU projects, including Renewing Health (2010-2013), FI-STARS (2003-2015), and HEIR (2002-2023).

Dr. Hartvigsen's research interests span various aspects of telemedicine and medical informatics. His work focuses on electronic disease surveillance, self-help systems for people with chronic diseases, social media and mixed reality social computer games for people with chronic conditions, medical sensor systems, HCI for mobile systems, digital patient communication, context-sensitive communication, physical activity sensors, m-health applications for people with intellectual disabilities, telemedicine systems in private homes, and motivational mechanisms in e-health.

From 1994 to 1995, Dr. Hartvigsen was on sabbatical leave at the University of Twente, Faculty of Computer Science, in the Netherlands. In the fall of 2006, he took another sabbatical at the Faculty of Medicine, Munich University of Technology and the Department of Health Science and Technology at Aalborg University. He served as a visiting professor at the University of California, Davis, from September to December 2011 and April to July 2012. From 2017 to 2018, he was a visiting professor at the Technical University of Valencia (UPV) in Spain, and from 2021 to 2022 at Karolinska Institutet in Stockholm, Sweden. In June 2022 he was a visiting professor at Aalborg University, Denmark.

Dr. Hartvigsen has an extensive scientific output. He has authored three books: "The Researcher's Handbook", "Computer Ethics", and "Lesson learned from 25 years with telemedicine in Northern Norway" (the last book is available in both English and Russian editions). He has also written more than 400 papers and reports covering a wide range of topics including telemedicine, electronic disease surveillance, electronic health records (EHRs), self-help systems for people with chronic diseases, intelligent homes, distributed applications, software agents, adaptive user interfaces, file systems, educational software, knowledge-based systems, and ethics. He has recorded more than 1000 contributions in the Norwegian publication database Cristin.

Dr. Hartvigsen has established extensive cooperation with several leading international research groups in medical informatics. As a result, he has co-authored scientific papers with more than 150 researchers from

er nødvendig i en CV.

Dr. Hattvigsen has been a member of Academia Europaea, Northern Norway Academy of Science, since its establishment. In 2016, he was elected as a member of the Norwegian Academy of Agricultural

di den gir en samlet over

Et sammendrag (prosa) er strengt tatt ikke nødvendig i en CV.

Jeg har likevel tatt med denne teksten fordi den gir en samlet oversikt over mine meritter.

Det er ofte også ønskelig med et «resyme» dersom du skal presenteres som foredragsholder, beskrive deg selv i en vitenskapelig artikkel, mv. Da er det enkelt å ta utgangspunkt i en oppdatert tekst.

I. PERSONAL DETAILS

Born: 1961, Tromsø, Norway
Marital status: Married
Children: Two (1994, 1998)
Home address: Tuftebakken 16, N-9016 Tromsø

Contact information (Work addresses, visiting addr., position, phone & email):

University (UiT): Health Informatics and -Technology group,
Department of Computer Science,
University of Tromsø – The Arctic University of Norway,
P.O. Box 6050 Langnes,
N-9037 Tromsø, Norway

Visiting address: Hansine Hansens veg 54
(Science building (Realfagbygget), office A138)

Position: Professor

Telephone UiT: +47 776 44049 / +47 776 44000 (switchboard)

Mobile: +47 90657785

Fax: +47 776 44580

Adm CS Dept.: +47 776 44056

E-mail: gunnar.hartvigsen@uit.no

URL: <https://en.uit.no/amatte/gunnar.hartvigsen>

HiT-group: <https://uit.no/research/hit>

Hospital: Helgeland Hospital Trust / Helgelandssykehuset HF

Visiting address: Prestmarkveien 1, 8800 Sandnessjøen

Position: Professor / Forsker I (Senior researcher)

Mobile: +47 90657785

E-mail: gunnar.hartvigsen@uit.no

gunnar.hartvigsen@helgelandssykehuset.no

ORCID: orcid.org/0000-0001-8771-9867

ResearcherID: L-1646-2013

Google Scholar: <https://scholar.google.com/citations?user=N43ylaEAAA&hl=no>

LinkedIn: <https://www.linkedin.com/in/gunnar-hartvigsen-2411671/>

2. ACADEMIC QUALIFICATIONS

1980-1981 1-year Economical College
1981-1982 Junior Officers' Training School (Norwegian Army)
1982-1986 B.Sc. in Computer Science, University of Tromsø, Norway (330 ECTS)
1986-1987 M.Sc. in Computer Science, University of Tromsø, Norway (90 ECTS)
1987-1992 Ph.D. in Computer Science, University of Tromsø, Norway¹

3. ACADEMIC EMPLOYMENT

1987-1989 **Research scholar**, Bodo Graduate School of Business
1989-1991 **Assistant professor**, Department of Computer Science, University of Tromsø

Fødselsdato må med. Vi presenterer søkerne med alder.

NB! Jeg har i denne presentasjonen kun oppgitt fødselsår, ikke dag, måned. Men alle opplysninger er med i originalen.

2011-2012 **Research scholar**, Center for Health and Technology, University of California Davis Health Systems, Sacramento, CA, USA (September-December 2011 & April-July 2012)
2017-2018 Technical University of Valencia, ITACA, Spain (10 months)
2021-2022 Karolinska Institutet, Stockholm, Sweden (10 months)
2022 Department of Health Science and Technology, Faculty of Medicine, Aalborg University, Aalborg, Denmark (June 2022)

5. HONORARY POSTS**REPRESENTATIVE (UiT)**

Chairman of education, Department of Computer Science, University of Tromsø, Spring-1990 - Spring-1991; Fall-2002 - Spring-2004; Fall-2019 - Spring-2020.

Vice head of department, Department of Computer Science, University of Tromsø, Fall-1995 - Spring-1996; Spring-2002 - Fall-2004; Fall-2019 - Spring-2020.

¹ Ph.D. dissertation defended 1st December 1992.

² University of Tromsø changed 1.8.2013 its name to University of Tromsø – The Arctic University of Norway. The short form "UiT The Arctic University of Norway" is often used.

³ "Professor II" is often a 20% non-tenured position.

I. PERSONAL DETAILS

Born: 1961, Tromsø, Norway
Marital status: Married
Children: Two (1994, 1998)
Home address: Tuftebakken 16, N-9016 Tromsø

Contact information (Work addresses, visiting addr., position, phone & email):

University (UIT): Health Informatics and -Technology group,
Department of Computer Science,
University of Tromsø – The Arctic University of Norway,
P.O. Box 6050 Langnes,
N-9037 Tromsø, Norway

Firming address: Hansine Hansens veg 54
(Science building (Realfagbygget), office A138)

Position: Professor

Telephone UIT: +47 776 44049 / +47 776 44000 (switchboard)
Mobile: +47 90657785
Fax: +47 776 44580
Adm CS Dept.: +47 776 44056
E-mail: gunnar.hartvigsen@uit.no
URL: <https://en.uit.no/amatte/gunnar.hartvigsen>
HIT-group: <https://uit.no/research/hit>

Hospital: Helgeland Hospital Trust / Helgelandssykehuset HF

Firming address: Prestmarkveien 1, 8800 Sandnessjøen

Position: Professor / Forsker 1 (Senior research fellow)

Mobile: +47 90657785
E-mail: gunnar.hartvigsen@uit.no
gunnar.hartvigsen@helgelandssykehuset.no

ORCID: orcid.org/0000-0001-8771-9867
ResearcherID: L-1646-2013

Google Scholar: <https://scholar.google.com/citations?user=N43ylaEAAA&hl=no>
LinkedIn: <https://www.linkedin.com/in/gunnar-hartvigsen-2411671/>

2. ACADEMIC QUALIFICATIONS

1980-1981 1-year Economical College
1981-1982 Junior Officers' Training School (Norwegian Army)
1982-1986 B.Sc. in Computer Science, University of Tromsø, Norway (330 ECTS)
1986-1987 M.Sc. in Computer Science, University of Tromsø, Norway (90 ECTS)
1987-1992 Ph.D. in Computer Science, University of Tromsø, Norway¹

3. ACADEMIC EMPLOYMENT

1987-1989 Research scholar, Bodo Graduate School of Business
1989-1991 Assistant professor, Department of Computer Science, University of Tromsø
1991-1994 Associate professor, Department of Computer Science, University of Tromsø
1994-present Professor, Medical Informatics & Telemedicine Group, Department of Computer Science, University of Tromsø – The Arctic University of Norway²
1995-1998 Professor IP, Hedmark College (part time)
1998-2001 Professor II, Bodo University College (part time)
2000-2015 Professor II, Norwegian Centre for Integrated Care and Telemedicine, University Hospital of North Norway (part time)
2005-2009 Vice Dean (for research and education), Faculty of Science, University of Tromsø
2011-2012 Center for Health and Technology, University of California Davis Health Systems, Sacramento, CA, USA (September-December 2011 & April-July 2012)
2017-2018 Technical University of Valencia, ITACA, Spain (10 months)
2021-2022 Karolinska Institutet, Stockholm, Sweden (10 months)
2022 Department of Health Science and Technology, Faculty of Medicine, Aalborg University, Aalborg, Denmark (June 2022)

5. HONORARY POSTS**REPRESENTATIVE (UIT)**

Chairman of education, Department of Computer Science, University of Tromsø, Spring-1990 - Spring-1991; Fall-2002 - Spring-2004; Fall-2019 - Spring-2020.
Vice head of department, Department of Computer Science, University of Tromsø, Fall-1995 - Spring-1996; Spring-2002 - Fall-2004; Fall-2019 - Spring-2020.

¹ PhD dissertation defended 1st December 1992.

² University of Tromsø changed 1.8.2013 its name to University of Tromsø – The Arctic University of Norway. The short form "UIT The Arctic University of Norway" is often used.

³ "Professor II" is often a 20% non-tenured position.

Opplisting av utdanning er et absolutt krav. Husk også dokumentasjon (kopier av vitnemål, mv.)
Få med fagområde, institutt-tilhørighet.

1. PERSONAL DETAILS

Born: 1961, Tromsø, Norway
Marital status: Married
Children: Two (1994, 1998)
Home address: Tuftebakken 16, N-9016 Tromsø

Contact information (Work addresses, visiting addr., position, phone & email):

University (UIT): Health Informatics and -Technology group,
Department of Computer Science,
University of Tromsø – The Arctic University of Norway,
P.O. Box 6050 Langnes,
N-9037 Tromsø, Norway

Visiting address: Hansine Hansens veg 54
(Science building (Realfagbygget), office A138)

Position: Professor

Telephone UIT: +47 776 44049 / +47 776 44000 (switchboard)

Mobile: +47 90657785

Fax: +47 776 44580

Adm CS Dept.: +47 776 44056

E-mail: gunnar.hartvigsen@uit.no

URL: https://en.uit.no/amatte/gunnar.hartvigsen

HIT-group: https://uit.no/research/hit

Hospital: Helgeland Hospital Trust / Helgelandsykehuset HF

Visiting address: Prestmarkveien 1, 8800 Sandnessjøen

Position: Professor / Forsker 1 (Senior researcher)

Mobile: +47 90657785

E-mail: gunnar.hartvigsen@uit.no

gunnar.hartvigsen@helgelandsykehuset.no

ORCID: orcid.org/0000-0001-8771-9867
ResearcherID: L-1646-2013

Google Scholar: https://scholar.google.com/citations?user=N43ylaEAAAAJ&hl=no
LinkedIn: https://www.linkedin.com/in/gunnar-hartvigsen-2411671/

2. ACADEMIC QUALIFICATIONS

1980-1981 1-year Economical College
1981-1982 Junior Officers' Training School (Norwegian Army)
1982-1986 B.Sc. in Computer Science, University of Tromsø, Norway (330 ECTS)

ORCID og **ResearcherID** er nødvendig dersom det finnes flere forskere med samme navn (som deg) i verden(!)

Bedømmelseskomiteen ønsker å finne din H-index og antall siteringer.

4. SABBATICAL LEAVES

1994-1995 University of Twente, Faculty of Computer Science, Nederland. (09.1994-08.1995)
2006 (Fall) Institut für Medizinische Statistik und Epidemiologie, Technische Universität München (4 months)
Department of Health Science and Technology, Aalborg University, Aalborg, Denmark (2 weeks)
2011 Technical University of Valencia, ITACA, Spain (2 weeks, July 2011)
2011-2012 Center for Health and Technology, University of California Davis Health Systems, Sacramento, CA, USA (September-December 2011 & April-July 2012)
2017-2018 Technical University of Valencia, ITACA, Spain (10 months)
2021-2022 Karolinska Institutet, Stockholm, Sweden (10 months)
2022 Department of Health Science and Technology, Faculty of Medicine, Aalborg University, Aalborg, Denmark (June 2022)

5. HONORARY POSTS**REPRESENTATIVE (UIT)**

Chairman of education, Department of Computer Science, University of Tromsø, Spring-1990 - Spring-1991; Fall-2002 - Spring-2004; Fall-2019 - Spring-2020.

Vice head of department, Department of Computer Science, University of Tromsø, Fall-1995 - Spring-1996; Spring-2002 - Fall-2004; Fall-2019 - Spring-2020.

¹ PhD dissertation defended 1st December 1992.

² University of Tromsø changed 1.8.2013 its name to University of Tromsø – The Arctic University of Norway. The short form "UIT The Arctic University of Norway" is often used.

³ "Professor II" is often a 20% non-tenured position.

1. PERSONAL DETAILS

Born: 1961, Tromsø, Norway
 Marital status: Married
 Children: Two (1994, 1998)
 Home address: Tullebakken 16, N-9016 Tromsø

Contact information (Work addresses, visiting addr., position, phone & email):

University (UiT): Health Informatics and Technology group,
 Department of Computer Science,
 University of Tromsø – The Arctic University of Norway,
 P.O. Box 6050 Langnes,
 N-9037 Tromsø, Norway

Visiting address: Hansine Hansens veg 54
 (Science building (Realfagbygget), office A138)

Position: Professor

Telephone UiT: +47 776 44049 / +47 776 44000 (switchboard)

Mobile: +47 90657785

Fax: +47 776 44580

Adm CS Dept.: +47 776 44056

E-mail: gunnar.hartvigsen@uit.no

URL: <https://en.uit.no/ansatte/gunnar.hartvigsen>

HIT-group: <https://uit.no/research/hit>

Hospital: Helgeland Hospital Trust / Helgelandssykehuset HF

Visiting address: Prestmarkveien 1, 8800 Sandnessjøen

Position: Professor

Mobile: +47 9065

E-mail: gunnar.hartvigsen@uit.no

ORCID: orcid.org/0000-0001-8771-0166
 ResearcherID: L-1646-2013

Google Scholar: <https://scholar.google.com/citations?user=N43ylAEAAAAJ&hl=no>
 LinkedIn: <https://www.linkedin.com/in/gunnar-hartvigsen-2411671/>

2. ACADEMIC QUALIFICATIONS

1980-1981 1-year Economical College
 1981-1982 Junior Officers' Training School (Norwegian Army)
 1982-1986 B.Sc. in Computer Science, University of Tromsø, Norway (330 ECTS)
 1986-1987 M.Sc. in Computer Science, University of Tromsø, Norway (90 ECTS)
 1987-1992 Ph.D. in Computer Science, University of Tromsø, Norway¹

3. ACADEMIC EMPLOYMENT

1987-1989 **Research scholar**, Bodo Graduate School of Business
 1989-1991 **Assistant professor**, Department of Computer Science, University of Tromsø
 1991-1994 **Associate professor**, Department of Computer Science, University of Tromsø
 1994-present **Professor**, Medical Informatics & Telemedicine Group, Department of Computer Science, University of Tromsø – The Arctic University of Norway²
 1995-1998 **Professor IP**, Hedmark College (part time)
 1998-2001 **Professor II**, Bodo University College (part time)
 2000-2015 **Professor II**, Norwegian Centre for Integrated Care and Telemedicine, University Hospital of North Norway (part time)
 2005-2009 **Vice Dean (for research and education)**, Faculty of Science, University of Tromsø
 2007-2015 **Director**, Tromsø Telemedicine Laboratory, University Hospital of North Norway (part time)
 2016-2017 **Professor II**, Norwegian Centre for eHealth Research, University Hospital of North Norway (part time)
 2018-2022 **Professor II**, University of Agder, Faculty of Health- and Sport Science, campus Grimstad (part time)
 2018-2022 **Professor II**, University of Agder, Centre for e-health (part time)
 2023- **Professor II / Senior researcher**, The Helgeland Hospitality Trust (part time)

4. SABBATICAL LEAVES

1994-1995 University of Twente, Faculty of Computer Science, Nederland. (09.1994-08.1995)
 and Epidemiologic, Technische Universität München
 Technology, Aalborg University, Aalborg, Denmark
 ITACA, Spain (2 weeks, July 2011)
 , University of California Davis Health Systems,
 r-December 2011 & April-July 2012)
 ITACA, Spain (10 months)
 Sweden (10 months)
 2022 Department of Health Science and Technology, Faculty of Medicine, Aalborg University, Aalborg, Denmark (June 2022)

5. HONORARY POSTS**REPRESENTATIVE (UiT)**

Chairman of education, Department of Computer Science, University of Tromsø, Spring-1990 - Spring-1991; Fall-2002 - Spring-2004; Fall-2019 - Spring-2020.
 Vice head of department, Department of Computer Science, University of Tromsø, Fall-1995 - Spring-1996; Spring-2002 - Fall-2004; Fall-2019 - Spring-2020.

¹ PhD dissertation defended 1st December 1992.

² University of Tromsø changed 1.8.2013 its name to University of Tromsø – The Arctic University of Norway.

The short form "UiT The Arctic University of Norway" is often used.

³ "Professor II" is often a 20% non-tenured position.

Akademisk praksis er viktig. Dette oppsummeres ofte alltid i bedømmingen.

2. UTDANNING

1977-1980 Kongsbakken videregående skole, Tromsø; examen artium, allmennfaglig studieretning.
 1980-1981 Kongsbakken videregående skole, Tromsø; entårig fagkurs for studenter ("studfag").
 1981-1982 Befalsskolen for infanteriet i Nord-Norge (BSIN), Harstad. (Utskrevet serjant kurs.)
 1982-1986 Universitetet i Tromsø (UIT); **Cand. mag.** med hovedvekt på fagene: datafag, matematikk, sosialøkonomi og offentlig forvaltning og organisasjonslære (statsvitenskap). (Totalt 330 ECTS)
 1986-1987¹ UIT; **Cand. scient.** i datafag. (Totalt 90 ECTS)
 Tittel på hovedfagsoppgave: "KABAL – Knowledge-based system for Analysis av Lapende engagement. En introduksjon til kunnskapsbaserte systemer. (Vitnemål 6.10.1987)"²
 1987-1992 UIT; **Dr. scient.** (ph.d.) i informatikk.
 Tittel på avhandling: "Domain limitations and consequences of domain limitations on the system role in knowledge-based systems within financial analysis and strategic market planning. Results from the construction of the KABAL and the STRATEX systems. (Disputert 1.12.1992)"^{3,4}

3. PRAKSIS

TILSETTING I VITENSKAPELIGE STILLINGER

Stipendiat	Siviløkonomutdanningen i Bodo (SIB)	08.1987-08.1989
Amanuensis	Seksjon for Datafag, IMR, UIT	09.1989-06.1991
Førsteamanuensis	Seksjon for Datafag, IMR, UIT	07.1991-04.1994
Professor	Institutt for informatikk, ⁵ NT-fak., ⁶ UIT ⁷	05.1994-
Professor II	Avd. ØSHR, Høgskolen i Hedmark	10.1995-03.1998
Professor II	Handelshøgskolen i Bodo, Høgskolen i Bodo ⁸	01.1998-06.2005
Professor II⁹	Nasjonalt senter for samhandling og telemedisin, ¹⁰ Universitetssykehuset Nord-Norge HF	04.2000-12.2015
Professor II¹¹	Nasjonalt senter for e-helseforskning, Universitetssykehuset Nord-Norge HF	01.2016-12.2017

¹ Universitetet i Tromsø; Cand. mag. (bachelor BSc) & Cand. scient. (master MSc) (1982-87). Til sammen har jeg nylagt eksamen i 140 vekttall (420 studiepoeng ECTS), dvs. at jeg i løpet av 5 år har fullført et 7-årig studium (forutsatt normal studieprogresjon). (Cand. mag.-grad ble fullført (70 vekttall / 210 studiepoeng ECTS) i løpet av de første 2,5 år. (Normert til 3,5 år.))

² Oppgaven definerer området Artificial Intelligence (AI), beslutningsstøttesystemer og ekspertsystemer, og viser

Relevant praksis er også viktig. Dette oppsummeres ofte i bedømmingen. Her er flere detaljer, bl.a. med nøyaktig ansettelsesperiode.

NB! Dette er fra min norskspråklige CV. Den er 8 sider lengre enn min engelske CV.

Professor II¹²	Institutt for helse- og sykepleievitenskap, Fakultet for helse og idrettvitenskap, Universitetet i Agder	01.2018-12.2022
Professor II¹³	Senter for e-helse, Universitetet i Agder	01.2018-12.2022
Prof. II / Forsker 1	Helgelandsykehuset HF	03.2023-

FAGLIG RELATERT

Engasjeri som **hjelpeledet** (gruppeundervisning) ved Seksjon for Datafag (SfD), IMR, UIT; høst-1984 (12 uker), vår-1985 (15 uker), høst-1985 (12 uker), vår-1986 (15 uker + 5,5 uker).
 Engasjeri som **vitenskapelig assistent**, 1/2-stilling ved SfD, IMR, UIT; 20.08-20.12.86, 01.01-15.06.87, 01.09-31.12.87.
 Ansatt som **stipendiat** innen spesialiseringen "Information Management" ved Siviløkonomutdanningen i Bodo¹⁴ (SIB), 01.08.87-31.08.89. Under stipendiatperioden er følgende pliktarbeid utført (til fradrag for stipendiattiden):
 a) 2 måneder: arbeid som prosjektmedarbeider i prosjektet "BEDB - bedre Bedriftsledelse med LDB".
 b) 2 måneder: prosjektleder for "Strategiplan for informasjonsteknologi ved Siviløkonomutdanningen i Bodo, 1989-1993".
 c) 2 måneder: Ansvar for kurset "Management Information Systems" ved Siviløkonomutdanningen i Bodo, høsten 1988. Kurset er på 2 vekttall (6 ECTS).
 d) 1 måned: Veiledning av 5 siviløkonomsstudenter under skrivning av siviløkonomsoppgave innen spesialiseringen "Information Management", våren 1989.
 Engasjeri som **ekstern konsulent** i Fellesdata AS, sparebankenes datacentral, Oslo, i forbindelse med utvikling av KABAL, mars 1988.
 Engasjeri som **amanuensis** ved SfD, IMR, UIT, 14.08.1989-30.06.1991.
 Engasjeri som **førsteamanuensis** ved SfD, IMR, UIT, 06.1991-09.1991.
 Ansatt som **førsteamanuensis** ved SfD, IMR, UIT, 10.1991-04.1994.
 Ansatt som **professor** ved Hi, Mat.nat., UIT, 05.1994-d.d.
 Ansatt som **professor II** ved Høgskolen i Hedmark, Avd. for økonomi, samfunnsfag og informatikk, Rena, 10.1995-03.1998.
 Ansatt som **professor II** ved Høgskolen i Bodo, Avd. for siviløkonomutdanning, Bodo, 01.1998-06.2005.
 Engasjeri som **professor II** ved Nasjonalt senter for telemedisin, Universitetssykehuset Nord-Norge HF (UNN), 04.2000-12.2015. (tidsavgrensede kontrakter)
Senterleder for Tromsø Telemedicine Laboratory (ett av 14 senter for forskningsdrevet innovasjon - SFI - etablert av Norges forskningsråd. 02.2007-01.2015. (Utløst)
 Engasjeri som **professor II** ved Nasjonalt senter for e-helseforskning, Universitetssykehuset Nord-Norge HF (UNN), fra 01.2016-12.2017.
 Ansatt som **professor II** ved Universitetet i Agder, Institutt for helse- og sykepleievitenskap, Fakultet for helse- og idrettvitenskap, campus Grimstad, 01.2018-12.2022.¹⁵
 Ansatt som **professor II** ved Universitetet i Agder, Senter for e-helse, 01.2018-12.2022.¹⁶
 Ansatt som professor II / Forsker 1, Helgelandsykehuset HF, 03.2023-

UTENOMFAGLIG

Arbeidet som **ekstraarbeider** ved Tromsø Kretsfengsel fra mai-1983 til mai-1987. (Til sammen 1 år, 4 måneder)
 Arbeidet som **administrasjonsoffiser** under repetisjonsøvelse, 22.08.1988-26.09.1988 og 28.03.1992-27.04.1992.

¹² Stilling ved Universitetet i Agder var tilknyttet helsehøgskolen Institutt for helse- og sykepleievitenskap og Senter for e-helse. Stillingensdelen utgjorde til sammen 20%.

¹³ Jf. fotnote 12.

¹⁴ Siviløkonomutdanningen i Bodo skiftet senere navn til Handelshøgskolen i Bodo.

¹⁵ Jf. fotnote 12.

¹⁶ Jf. fotnote 12.

I. PERSONAL DETAILS

Born: 1961, Tromsø, Norway
Marital status: Married
Children: Two (1994, 1998)
Home address: Tullebakken 16, N-9016 Tromsø

Contact information (Work addresses, visiting addr., position, phone & email):

University (UiT): Health Informatics and -Technology group,
Department of Computer Science,
University of Tromsø – The Arctic University of Norway
P.O. Box 6050 Langnes,
N-9037 Tromsø, Norway

Visiting address: Hansine Hansens veg 54
(Science building (Realfagbygget))

Position: Professor

Telephone UiT: +47 776 44049 / +47 776 44000

Mobile: +47 90657785

Fax: +47 776 44580

Adm CS Dept.: +47 776 44056

E-mail: gunnar.hartvigsen@uit.no

URL: <https://en.uit.no/amatte/gunnar.hartvigsen>

HiT-group: <https://uit.no/research/hit>

Hospital: Helgeland Hospital Trust / Helgelandssykehuset HF

Visiting address: Prestmarkveien 1, 8800 Sandnessjøen

Position: Professor / Forsker I (Senior researcher)

Mobile: +47 90657785

E-mail: gunnar.hartvigsen@uit.no

gunnar.hartvigsen@helgelandssykehuset.no

ORCID: orcid.org/0000-0001-8771-9867
ResearcherID: L-1646-2013

Google Scholar: <https://scholar.google.com/citations?user=N43ylaEAAA&hl=no>
LinkedIn: <https://www.linkedin.com/in/gunnar-hartvigsen-2411671/>

2. ACADEMIC QUALIFICATIONS

1980-1981 1-year Economical College
1981-1982 Junior Officers' Training School (Norwegian Army)
1982-1986 B.Sc. in Computer Science, University of Tromsø, Norway (330 ECTS)
1986-1987 M.Sc. in Computer Science, University of Tromsø, Norway (90 ECTS)
1987-1992 Ph.D. in Computer Science, University of Tromsø, Norway¹

3. ACADEMIC EMPLOYMENT

2018-2022 Professor II, University of Agder, Faculty of Health- and Sport Science, campus
Grimstad (part time)
2018-2022 Professor II, University of Agder, Centre for e-health (part time)
2023- Professor II / Senior researcher, The Helgeland Hospitality Trust (part time)

University of Tromsø
University of Tromsø
Department of Computer
Science, University of
Tromsø²
Medicine, University
of Tromsø
Hospital of North Norway (part
time)
University Hospital of North
Norway (part time)

4. SABBATICAL LEAVES

1994-1995 University of Twente, Faculty of Computer Science, Nederland. (09.1994-08.1995)
2006 (Fall) Institut für Medizinische Statistik und Epidemiologie, Technische Universität München
(4 months)
Department of Health Science and Technology, Aalborg University, Aalborg, Denmark
(2 weeks)
2011 Technical University of Valencia, ITACA, Spain (2 weeks, July 2011)
2011-2012 Center for Health and Technology, University of California Davis Health Systems,
Sacramento, CA, USA (September-December 2011 & April-July 2012)
2017-2018 Technical University of Valencia, ITACA, Spain (10 months)
2021-2022 Karolinska Institutet, Stockholm, Sweden (10 months)
2022 Department of Health Science and Technology, Faculty of Medicine, Aalborg
University, Aalborg, Denmark (June 2022)

5. HONORARY POSTS**REPRESENTATIVE (UiT)**

Chairman of education, Department of Computer Science, University of Tromsø, Spring-1990 -
Spring-1991; Fall-2002 - Spring-2004; Fall-2019 - Spring-2020.
Vice head of department, Department of Computer Science, University of Tromsø, Fall-1995 - Spring-
1996; Spring-2002 - Fall-2004; Fall-2019 - Spring-2020.

¹ PhD dissertation defended 1st December 1992.

² University of Tromsø changed 1.8.2013 its name to University of Tromsø – The Arctic University of Norway.
The short form "UiT The Arctic University of Norway" is often used.

³ "Professor II" is often a 20% non-tenured position.

Utenlandsopphold er også viktig. Dette oppsummeres i bedømmingen og viser at du har internasjonal erfaring.

2. ACADEMIC QUALIFICATIONS

1980-1981	1-year Economical College
1981-1982	Junior Officers' Training School (Norwegian Army)
1982-1986	B.Sc. in Computer Science, University of Tromsø, Norway (330 ECTS)
1986-1987	M.Sc. in Computer Science, University of Tromsø, Norway (90 ECTS)
1987-1992	Ph.D. in Computer Science, University of Tromsø, Norway ¹

3. ACADEMIC EMPLOYMENT

1987-1989	Research scholar, Bodo Graduate School of Business
1989-1991	Assistant professor, Department of Computer Science, University of Tromsø
1991-1994	Associate professor, Department of Computer Science, University of Tromsø
1994-pres	Professor, Medical Informatics & Telemedicine Group, Department of Computer Science, University of Tromsø – The Arctic University of Norway ²
1995-1998	Professor IP ³ , Hedmark College (part time)
1998-2001	Professor II, Bodo University College (part time)
2000-2015	Professor II, Norwegian Centre for Integrated Care and Telemedicine, University Hospital of North Norway (part time)

Dokumentasjon av administrativ erfaring. Dette oppsummeres ofte i bedømmingen og kan være utslagsgivende i rangeringen.

(2 WEEKS)	
2011	Technical University of Valencia, ITACA, Spain (2 weeks, July 2011)
2011-2012	Center for Health and Technology, University of California Davis Health Systems, Sacramento, CA, USA (September-December 2011 & April-July 2012)
2017-2018	Technical University of Valencia, ITACA, Spain (10 months)
2021-2022	Karolinska Institutet, Stockholm, Sweden (10 months)
2022	Department of Health Science and Technology, Faculty of Medicine, Aalborg University, Aalborg, Denmark (June 2022)

5. HONORARY POSTS

REPRESENTATIVE (UIT)

Chairman of education, Department of Computer Science, University of Tromsø, Spring-1990 - Spring-1991; Fall-2002 - Spring-2004; Fall-2019 - Spring-2020.
Vice head of department, Department of Computer Science, University of Tromsø, Fall-1995 - Spring-1996; Spring-2002 - Fall-2004; Fall-2019 - Spring-2020.

¹ PhD dissertation defended 1st December 1992.

² University of Tromsø changed 1.8.2013 its name to University of Tromsø – The Arctic University of Norway. The short form "UIT The Arctic University of Norway" is often used.

³ "Professor IP" is often a 20% non-tenured position.

Head of department, Department of Computer Science, University of Tromsø, Fall-1996 - Spring-1997; Spring-1991 - Spring-1999; Fall-2001 - Fall-2003; Spring-2003
Vice head, Faculty of Science, University of Tromsø, Fall-2001 - Spring-2008
Head of research group in Medical Informatics & Telemedicine (M&T), Department of Computer Science, University of Tromsø, Fall-1997 - Spring-2019
Head of research group in Health Informatics & Technology (H&T), Department of Computer Science, University of Tromsø, Fall-2019 -

BOARD MEMBERS (UIT)

Member, Board, Faculty of Science, UIT, 1992; Fall-1997 - Fall-2001; Fall-2001 - Spring-2008
Member, Budget committee (BEC) at the University of Tromsø, Spring-1993 - Spring-1994
Chairman, Civil Engineering committee, Univ. of Tromsø, Spring-1996
Deputy, University board, Univ. of Tromsø, Spring-1996 - Fall-1998
Member, Budget committee, Faculty of Science, Univ. of Tromsø, Spring-1992 - Spring-1994; Fall-1997 - Spring-2008
Member, Board of education, Faculty of Science, Univ. of Tromsø, Spring-2002 - Fall-2004; Fall-2005 - Spring-2009; Chairman, Univ. of Tromsø, Spring-2009
Member, Board of research education, Faculty of Science, Univ. of Tromsø, Spring-2002 - Fall-2004; Fall-2005 - Spring-2009; Chairman, Univ. of Tromsø, Spring-2009
Member, Communication committee, Univ. of Tromsø, Fall-2001 - Spring-2008
Chairman, Study program board for technological studies, UIT, Fall-2004 - Spring-2008
Chairman, Study program board for informatics and health, Univ. of Tromsø, Fall-2005 - Fall-2007
Chairman, Study program board, Faculty of Science, Univ. of Tromsø, Fall-2001 - Spring-2009
Chairman, Study program board for science teachers' education, Univ. of Tromsø, Fall-2005 - Spring-2009
Member, Study program board for university teaching, Univ. of Tromsø, Spring-2008 - Fall-2008
Member, Forum for quality in education (FQA), Univ. of Tromsø, Spring-1999 - Spring-2007
Member, The copyright committee for creative affairs, Univ. of Tromsø, 2009, 2011 - 2013
Member, Review board, Faculty of Science and Technology, Univ. of Tromsø, Spring-1999
Adjunct member, Board, Department of Computer Science, UIT, Fall-2008 - Spring-2013
Member, Senior lecture program (development program) at UIT, Fall-2008 - Fall-2010
Member, Board of education, Faculty of Science and Technology, UIT, Spring-2019 - Spring-2024
Member, The Priority Committee (for innovation grants) (Prestisjekomiteen), UIT, Spring-2023 -

COMMITTEE REPRESENTATIVE (UIT)

Chairman, Computer Ethics committee, Department of Computer Science, 1998
Chairman, Review of study program in Master of Eng. Univ. of Tromsø, Fall-1996
Member, Review board for informatics studies at University of Tromsø, Spring-2000 - Spring-2006
Member, Program committee for MSc. program in Bioinformatics, Spring-2001 - Fall-2002
Member, Working group for an MSc. degree in Health Informatics at UIT, Spring-2010
Member, Working group for publication of research results at UIT (Conditions for work in social media and e-learning), Tromsø - UIT, Spring-2019
Member, Committee for joint MSc. degree in health technology at University of Tromsø and Nord University College (H&T), Spring-2012 - (7 members)
Member, Committee for making the curriculum for the joint MSc. degree in health technology at University of Tromsø and Nord University College (H&T), Spring-2013 (7 members)
Member, Program "GOFF for personalizing learning", project for the implementation of the General Data Protection Regulation (GDPR) (disposition (EIT) 2016/678 at UIT, (131 project no. 2017 - 2018) UIT, Fall-2017-Spring-2018
Member, 2020-2021 task force, Faculty of Science and Technology, UIT (goal: increase the number of full-time projects in the Faculty of Science and Technology, Fall-2019-Spring-2021) (4 members)
Chairman, committee for planning a new study program in Artificial Intelligence in Faculty of Science and Technology, UIT ("Enabling an evaluation based learning intelligence (AI)", Fall-2019 - Spring-2020)

Chairman, committee for developing a curriculum for a five-year integrated master's degree in Artificial Intelligence at Faculty of Science and Technology, UIT ("Enabling an evaluation based learning intelligence (AI)", Spring-2020)
Chairman, committee for planning of experience-based master's in digital health services together with the health sector in Region Hordaland, Norway. The work is financed through a grant of NOK 6.3 million from H&T (The Norwegian Centre for Internationalization and Quality Development in Higher Education), Autumn-2021-Spring-2022. (Chair holder and leader of the project group)

BOARD AND COMMITTEES (OTHER INSTITUTIONS)

Member, Research education in pre-hospital, University Hospital of North Norway, Fall-1998 - Spring-1999
Chairman, The F&O program for ICT- and satellite-based industrial and commercial development in North-Norway, Fall-1991 - Spring-2000
Member, Advisory board for H&T and K&M&H&A (Science in High School), Tromsøregion High School, Spring-2001 - Spring-2005
Member, Advisory board ("EKS-akademi"), Department of Informatics and Information Science, NTNU, Trondheim, Spring-2004 - Spring-2009
Adjunct Member, Advisory board ("EKS-akademi"), Department of Informatics and Information Science, NTNU, Trondheim, Fall-2007 - Fall-2013
Adjunct Member, Board of Nord University College, (Official deputy for chairman of the board, Age Development), Fall-2011 - Spring-2011
Member, Trade stipend ("Trade Scholarship") (Tilleggs) To promote recruitment to studies in the fields of accounting, business law and computer science), Finde System AS, Fall-2011 - Spring-2014
Northern Norway Regional Health Authority (Helse Nord RHF) Committee for assessment of innovation applications, Spring-2019 - (Member, representing Hordaland/Helse Nord RHF)

BOARD AND COMMITTEES (NATIONAL)

Member, National Committee for assessment of research in ICT, 1997-1998
Member, ICT-based industrial and commercial development in North-Norway, Fall-1997 - Spring-1998
Member, Committee for planning of Research Center of Excellence in ICT on Finnmark, Spring-2000 (Research Council of Norway)
Member, jury, Knowledge-based 2000 Norwegian Science Prize ("Kunnskapsprisen") is funded by "Nord Innlandet", which is part of "H&T - The Collaboration of Norwegian Enterprise"
Member, The National Committee for Research Ethics in Science and Technology (NSET), (Original Norwegian/European Science for innovation and technology), 2013-2013, 2014-2017 (4 members)
Member, Norwegian reference group for Horizon Europe, topic Health (supported by the Research Council of Norway), Spring-2020-Spring-2021
Member, Norwegian Committee on Skill Needs (Kompetencebehovsutvalget), Ministry of Education and Research, 2014-2024

BOARD MEMBER (INDUSTRY AND INSTITUTIONS)

NORIT IT AS (Foundation of Applied Research at the Univ. of Tromsø, Fall-1995 - Spring-1999; (Chairman)
NORIT IT AS (Foundation of Applied Research at the Univ. of Tromsø, Fall-1999 - Spring-2006; (Deputy board member)
Inovita Innovation AS, Spring-2006 - Spring-2008
Nord-Norwegian Health Services (Helse Nord), Spring-2001 - Spring-2002 (Deputy board member)
Nordic Research Laboratory AS, Oslo, Spring-2007 - Spring-2013

* The Norwegian Committee on Skill Needs is a government-appointed committee whose goal is to produce the best possible professional assessment of Norway's future competence needs. (Hordaland 2 February 2014)

Sivilingeniørutvalg, UiT, høst-1996 (Leder). Utvalget ble oppnevnt av universitetsstyret, og arbeidet ble lagt til grunn for fremtidige tildelinger til sivilingeniørutdanningen ved UiT. Innstilling av-gitt oktober 1996.

IKT-basert næringsutvikling i Nord-Norge, høst-1997–vår-1998. Utvalget med repr. fra Norut IT, Sparebank1 Nord-Norge og Troms Kraft, utarbeidet et felles utkast for IKT-basert næringsutvikling. Næringskomite (hurtigbeidende), UiT, vår-1996 (Leder). Komiteen ble oppnevnt av universitetsdirektøren for å vurdere UiTs ansvar for og rolle i IKT-basert næringsutvikling.

"Agenda 2005", Ifi, UiT, høst-1998 (Leder). Planlegging av Ifis satsning på forskning og undervisning til år 2005.

Forskerutdanning i psykiatri, høst-1998–vår-1999. Ad-hoc gruppe for forskerutdanning, Psykiatrisk forskningssenter for Finnmark og Troms – PFFT, (Medlem)

"FIKS-programmet: Et forskningsbasert næringsutviklingsprogram innen Informasjons-, Kommunikasjons- og Satellitteknologi i Nord-Norge, høst-1999–vår-2000 (Leder). Repr. fra Norut IT, Sparebank1-gruppen, SND, FPT, Råfisklaget, Spæctec, Nordlandsdata, TAG, Tolener & UiT. Planlegging av nytt kurs for sivilingeniørstudiet: "MNF-300 Vitenskapsteori og etikk for sivilingeniørstudenter", vår-2001. (Medlem)

Interimstyret for teledisinsk studium ved UiT, vår-2001–vår-2004 (Medlem)

Vurdering av studium for bioinformatikk ved UiT, vår-2002 (Medlem)

Planlegging av studium i bioinformatikk ved UiT, vår-2003–høst-2003 (Medlem)

Interimstyret for realfagssatsning, utnevnt av Programstyret for næringsrettede utviklings tiltak i Troms, høst-2005 (Medlem)

Styringsgruppen for TIRS-prosjektet (SAMREAL fra høst-2008), Tromsødalens videregående skole, vår-2006–vår-2009 (Medlem)

Arbeidsgruppe for utarbeiding av en behovs- og funksjonsanalyse for UiTs nettbaserte undervisningstjenester (herunder fleksible læringsformer, IKT i undervisningen og universitetspedagogikken) ved UiT, vår-2010 (Medlem)

Arbeidsgruppe for utarbeidelse av "Guidelines for bruk av sosiale medier ved Universitet i Tromsø – UiT", vår-2010 (Medlem)

Finale stipend (Formål: fremme rekruttering til studier innen fagfeltene regnskap, forretningsjus og informatikk), Finale Systemer AS, høst-2011–vår-2013 (Medlem)

Felles utvalg for Høgskolen i Narvik (HIN) og UiT oppnevnt for utredning av studietilbud i helse-teknologi, vår-2012 (Medlem)

Felles utvalg for Høgskolen i Narvik (HIN) og UiT oppnevnt for utarbeidelse av studieplan for 2-årig mastergradstudium i helse-teknologi, vår-2013 (Medlem)

Prosjekt "GDPR ny personvernforordning", prosjekt for gjennomføring av nødvendige forberedelser til ny personopplysningslov, GDPR (prosjekt nr. 2017-5951), UiT, høst-2017–vår-2018. (Medlem)

Horizon-gruppen ved Fakultet for naturvitenskap og teknologi, UiT (mål: øke andelen EU prosjekter ved NT-fak.), høst-2019–vår-2021. (Medlem)

Helse Nord RHFs komite for vurdering av innovasjonseksnader, vår-2024-. (Medlem, representerer Helgelandspsykiatriske HF)

Annet studieplanarbeid

Utarbeidet studieplan i internasjonalt mastergradstudium i telemedisin og e-helse, Teknologiretningen, 2004–2005.

Utarbeidet studieplaner for fire studieretninger i lektorutdanningen i realfag: informatikk/matematikk, matematikk/informatikk, informatikk/kjemi, kjemi/informatikk. (Hovedfaget nevnes først), 2010.

«Utredning av mulig studietilbud innen kunstig intelligens (AI)» ved Fakultet for naturvitenskap og teknologi, UiT. Høst-2019–Vår-2020. (Leder av utvalget)

«Utarbeiding av studieplan innen kunstig intelligens (AI)» ved Fakultet for naturvitenskap og teknologi, UiT. Vår-2020. (Leder av utvalget)

Planlegging av erfaringsbasert master i digitale helse tjenester sammen med helse tjenesten i Region Helgeland. Arbeidet er finansiert gjennom en bevilgning på NOK 6,3 mill. Fra DOKU (Direktoratet for internasjonalisering og kvalitetsutvikling i høyere utdanning). Høst-2021–Vår-2022. (Ansvarlig søker og leder av prosjektgruppen)

Styrer og komiteer ved andre institusjoner

Rådsmedlem, IDis råd, NTNU, vår-2006–vår-2009. (Repr. fra kollegainstitusjon)
Vicesammensittende, IDis råd, NTNU, høst-2009–høst-2017. (Repr. fra kollegainstitusjon)

Dokumentasjon av studieadministrativ erfaring. Dette er «kjempeviktig» dersom du skal søke på en (bi-)stilling ved et universitet i og med at kravene til dokumentert «studieplanarbeid» er skjerpet og blitt obligatorisk. Dette omtales i bedømmingen og må være godkjent.

NB! Dette er fra min norskspråklige CV. Den er 8 sider lengre enn min engelske CV.

LOKALE/REGIONALE

Tromsøstudentenes Dataforening. Initiativtaker til foreningen (stiftet 25.04.1985). Formann i forening fra stiftelsesdato og frem til mars-1987 (års møte). (Æresmedlem i foreningen fra 25.04.1990.)

Valgkomiteen, DaD Nordland (Den norske Dataforening), 1988–1989. (Medlem)

CandiData (kandidatforening ved Sfi), vår-1991–vår 1993. (Styremedlem)

¹⁹ Kompetansebehovsutvalget er et regjeringoppnevnt utvalg hvor målet er å få fram den best mulige faglige vurderingen av Norges fremtidige kompetansebehov. (Kongelig resolusjon 2. februar 2024.)

²⁰ IMR består av seksjonene for informatikk (tidligere: datafag), fysikk, kjemi, matematikk og statistikk.

²¹ EDB-rådet er styret på EDB-sektoret.

²² Oppgave: planlegging av sivilingeniørstudiet ved UiT.

Chairman, committee for developing a curriculum for a five year's integrated master's degree in Artificial Intelligence at Faculty of Science and Technology, UiT ("Utredning av mulig studietilbud innen kunstig intelligens (AIJ)"). Spring-2020.

Chairman, committee for planning of experience-based master's in digital health, the health service in Region Helgeland, Norway. The work is financed through 6.3 million from DIKU (the Directorate for Internationalization and Quality in Higher Education). Autumn-2021-Spring-2022. (Grant holder and leader of the project)

BOARD AND COMMITTEES (OTHER INSTITUTIONS)

Member, Research education in psychiatry, University Hospital of North Norway, 1999.

Chairman, The FIKS-program for ICT- and satellite-based industrial and commercial development in North-Norway, Fall-1999 - Spring-2000.

Member, Advisory board for TIRS and SAMREAL (Science in High School), Trondheim, Spring-2006 - Spring-2009.

Member, Advisory board ("IDI-rådet"), Department of Informatics and Information Technology, Trondheim, Spring-2006 - Spring-2009.

Adjunct Member, Advisory board ("IDI-rådet"), Department of Informatics and Information Technology, NTNU, Trondheim, Fall-2009 - Fall-2013.

Adjunct Member, Board at Nærvik University College, (Personal deputy for chairman of the board, Åge Danielsen), Fall-2011 - Spring-2015.

Member, Finske stipend ("Finske Scholarships") (Purpose: To promote recruitment to studies in the fields of accounting, business law and computer science), Finske Systems AS, Fall-2011 - Spring-2014.

Northern Norway Regional Health Authority (Helse Nord RHF) Committee for assessment of innovation applications, Spring-2024-. (Member, representing Helgelandssykehuset HF)

BOARD AND COMMITTEES (NATIONAL)

Member, National Committee for recruitment of women in ICT, 1997-1998.

Member, ICT-based industrial and commercial development in North-Norway, Fall-1997 - Spring-1998.

Member, Committee for planning of Research Centre of Excellence in ICT on Fomebu, Spring-2000. (Research Council of Norway)

Member, jury, RealFagsprisen 2009. (Norwegian Science Prize). ("RealFagsprisen" is funded by "Norsk Industri", which is part of "NHO - The Confederation of Norwegian Enterprise".)

Member, The National Committee for Research Ethics in Science and Technology (NENT) (Nasjonal forskningsetisk komité for naturvitenskap og teknologi), 2010-2013, 2014-2017. (etikkom.no)

Member, Norwegian reference group for Horizons Europa, topic Health (appointed by the Research Council of Norway), Spring-2020-Spring-2021.

Member, Norwegian Committee on Skill Needs, (Kompetansebehovsutvalget⁴), Ministry of Education and Research, 2024-2025.

BOARD MEMBER (INDUSTRY AND INSTITUTIONS)

NORUT IT AS (Foundation of Applied Research at the Univ. of Tromsø), Fall-1995 - Spring-1999. (Board member)

NORUT IT AS (Foundation of Applied Research at the Univ. of Tromsø), Fall-1999 - Spring-2006. (Deputy board member)

Invenia Innovation AS, Spring-2000 - Spring-2002.

North-Norwegian Health Net (Nordnorsk helsennett), Spring-2001 - Spring-2002. (Deputy board member)

Simula Research Laboratory AS, Oslo, Spring-2007 - Spring-2013.

⁴ The Norwegian Committee on Skill Needs is a government-appointed committee whose goal is to produce the best possible professional assessment of Norway's future competence needs. (Royal Decree 2 February 2024.)

Science Centre of North-Norway (Nord-Norsk vitensenter), Fall-2007 - Fall-2009. (Deputy board member)

(AD/Center for research-based innovation), Spring-2006 - Fall-2014. (Board member)

Dokumentasjon av administrativ erfaring på nasjonalt nivå. Dette oppsummeres ofte i bedømmingen. Flere av disse komiteen er omfattende og viser at du deltar på høyt nivå i fagfellesskapet.

MEMBER, NORWEGIAN COUNCIL FOR COMPUTER SCIENCE, 1990-2004.

Member, Norwegian Council for Computer Science, 1990-2004.

Member, Norwegian Computer Society - Profession Comm. ("Faglige utvalg"), Fall-1999 - Spring-2001.

Chairman, Norwegian Council for Computer Science, 2005-2006.

Board member, Norwegian Society for Medical Informatics (FDH), 2005-2011.

Member, Norwegian Computer Society - Research Policy Committee. ("Forskningspolitisk utvalg"), Fall-2009-pres.

Member, IMIA WG for Telehealth, Spring-2010-pres.

Board member, Norsk Helse-IT (NorHIT) (Norwegian Society for Medical Informatics), Spring-2012 - Spring-2013.

COST Action 19122 - European Network for Gender Balance in Informatics (EUGAIN), 2020-2022. (Norwegian member Management Committee, leader task force for planning a career program for female ass. prof. and assoc. prof. in WG3 "From PhD to professor")

Secretary general and board member, Academia Bornalis - The North-Norwegian Academy of Science and Letters, Spring-2022-.

Better Balance in Informatics (BBiI), funded by the Research Council of Norway's BALANSE program. The goal is to promote gender balance, 2021-2022. (Member, local board UiT)

6. CONSULTANCY WORK

Norgesnetttrådet (Evaluation of BSc-program), Fall-1998; Spring-1999; Fall-2000.

NORKUT (Evaluation of PhD-program), Fall-2004; Fall-2005.

Gjøvik University College (Evaluation of PhD-program), Fall-2007.

University of Agder (Evaluation of MSc-program), Fall-2008.

ACE-Denmark, Evaluation of ICT study programs at 4 Danish universities, Spring-2008.

7. PROFESSIONAL MEMBERSHIPS

IMIA - International Medical Informatics Association

NorHIT⁵ - Norwegian Medical Informatics Association

Dataforening - Norwegian Computer Society (Since 1987)

ACM - Association for the Computing Machinery (Since 1988)

The Asia-Pacific Artificial Intelligence Association (AAILA), **Fellow** (Since 2024)

⁵ In 2011, FDH - Norwegian Medical Informatics Association, became NorHIT, a subgroup within the Norwegian Computer Society.

Chairman, committee for developing a curriculum for a five year's integrated master's degree in Artificial Intelligence at Faculty of Science and Technology, UiT ("Utredning av mulig studietilbud innen kunstig intelligens (AI)"), Spring-2020.

Chairman, committee for planning of experience-based master's in digital health services together with the health service in Region Helgeland, Norway. The work is financed through a grant of NOK 6.3 million from DIKU (the Directorate for Internationalization and Quality Development in Higher Education), Autumn-2021-Spring-2022. (Grant holder and leader of the project group)

BOARD AND COMMITTEES (OTHER INSTITUTIONS)

Member, Research education in psychiatry, University Hospital of North Norway, Fall-1998 - Spring-1999.

Chairman, The FIKS-program for ICT- and satellite-based industrial and commercial development in North-Norway, Fall-1999 - Spring-2000.

Member, Advisory board for TIRS and SAMREAL (Science in High School), Tromsødalens High School, Spring-2006 - Spring-2008.

"Industri", which is part of "NHO - The Confederation of Norwegian Enterprise".)

Member, The National Committee for Research Ethics in Science and Technology (NENT) (Nasjonal forskningsetisk komité for naturvitenskap og teknologi), 2010-2013, 2014-2017. (etikkom.no)

Member, Norwegian reference group for Horizons Europa, topic *Health* (appointed by the Research Council of Norway), Spring-2020-Spring-2021.

Member, Norwegian Committee on Skill Needs, (Kempetansebehovsutvalget⁴), Ministry of Education and Research, 2024-2025.

BOARD MEMBER (INDUSTRY AND INSTITUTIONS)

NORUT IT AS (Foundation of Applied Research at the Univ. of Tromsø), Fall-1995 - Spring-1999. (Board member)

NORUT IT AS (Foundation of Applied Research at the Univ. of Tromsø), Fall-1999 - Spring-2006. (Deputy board member)

Invenia Innovation AS, Spring-2000 - Spring-2002.

North-Norwegian Health Net (Nordnorsk helsennett), Spring-2001 - Spring-2002. (Deputy board member)

Simula Research Laboratory AS, Oslo, Spring-2007 - Spring-2013.

⁴ The Norwegian Committee on Skill Needs is a government-appointed committee whose goal is to produce the best possible professional assessment of Norway's future competence needs. (Royal Decree 2 February 2024.)

Science Centre of North-Norway (Nord-Norsk vitensenter), Fall-2007 - Fall-2009. (Deputy board member)

iAD (Centre for research-based innovation), Spring-2009 - Fall-2014. (Board member)

Kometen - Nord-Norges forskningsfond (Research trust of North Norway), 2010 - 2014. (Board member)

Kometen - Nord-Norges forskningsfond (Research trust of North Norway), 2015 - 2021. (Chairman of the board)

SINTEF Nord AS, Fall-2020 - (Board member)

Akademisk mentor AS, Spring-2021-Spring-2024. (Chairman of the board)

EDITORIAL BOARDS

ACM Transactions on Computing for Healthcare (HEALTH), health.acm.org, Associate Editor, 2018-2020.

European Students' Computer Association) since 1990.

up, Fall-1990 - Fall-1991.

e, 1990-2004.

a Comm. ("Faglige utvalg"), Fall-1999 - Spring-

ce, 2005-2006.

ormatics (FDIH), 2005-2011.

Policy Committee. ("Forskningspolitisk utvalg"),

es.

an Society for Medical Informatics), Spring-2012 -

er Balance in Informatics (EUGAIN), 2020-2022.

se, leader task force for planning a career program

) "From PhD to professor")

entails - The North-Norwegian Academy of Science

Research Council of Norway's BALANSE

nice, 2021-2022. (Member, local board UiT)

6. CONSULTANCY WORK

Norgesnetttrådet (Evaluation of BSc-program), Fall-1998; Spring-1999; Fall-2000.

NORKUT (Evaluation of PhD-program), Fall-2004; Fall-2005.

Gjøvik University College (Evaluation of PhD-program), Fall-2007.

University of Agder (Evaluation of BSc-program), Fall-2008.

ACE-Denmark, Evaluation of ICT study programs at 4 Danish universities, Spring-2008.

7. PROFESSIONAL MEMBERSHIPS

IMIA - International Medical Informatics Association

NoeHIT⁵ - Norwegian Medical Informatics Association

Dataforeningen - Norwegian Computer Society (Since 1987)

ACM - Association for the Computing Machinery (Since 1988)

The Asia-Pacific Artificial Intelligence Association (AAILA), **Fellow** (Since 2024)

⁵ In 2011, FDIH - Norwegian Medical Informatics Association, became NoeHIT, a subgroup within the Norwegian Computer Society.

Dokumentasjon av administrativ erfaring på internasjonalt nivå. Dette oppsummeres ofte i bedømmingen. Flere av disse komiteen er/kan være omfattende og viser at du deltar på høyt internasjonalt nivå i fagfellesskapet.

Chairman, committee for Artificial Intelligence in the health service, 2019-2021. (Chairman, committee for the health service, 6.3 million from Higher Education)

Dokumenter «alt» som kan presentere deg i et fordelaktig lys.

BOARD AND COMMITTEES (OTHER INSTITUTIONS)

Member, Research education in psychiatry, University Hospital of North Norway, Fall-1998 - Spring-1999.
Chairman, The FIKS-program for ICT- and satellite-based industrial and commercial development in North-Norway, Fall-1999 - Spring-2000.
Member, Advisory board for TIRS and SAMREAL (Science in High School), Tromsødal High School, Spring-2006 - Spring-2009.
Member, Advisory board ("IDI-rådet"), Department of Informatics and Information Science, NTNU, Trondheim, Spring-2006 - Spring-2009.
Adjunct Member, Advisory board ("IDI-rådet"), Department of Informatics and Information Science, NTNU, Trondheim, Fall-2009 - Fall-2013.
Adjunct Member, Board at Nærviik University College, (Personal deputy for chairman of the board, Åge Danielsen), Fall-2011 - Spring-2015.
Member, Finske stipend ("Finske Scholarships") (Purpose: To promote recruitment to studies in the fields of accounting, business law and computer science), Finske Systems AS, Fall-2011 - Spring-2014.
Northern Norway Regional Health Authority (Helse Nord RHF) Committee for assessment of innovation applications, Spring-2024-. (Member, representing Helse Nord RHF)

BOARD AND COMMITTEES (NATIONAL)

Member, National Committee for recruitment of women in ICT, 1997-1998.
Member, ICT-based industrial and commercial development in North-Norway, Fall-1997 - Spring-1998.
Member, Committee for planning of Research Centre of Excellence in ICT at Fomebu, Spring-2000. (Research Council of Norway)
Member, jury, RealFagsprisen 2009. (Norwegian Science Prize). ("RealFagsprisen" is funded by "Norsk Industri", which is part of "NHO - The Confederation of Norwegian Enterprise".)
Member, The National Committee for Research Ethics in Science and Technology (NENT) (Nasjonal forskningsetisk komité for naturvitenskap og teknologi), 2010-2013, 2014-2017. (etikk.com.no)
Member, Norwegian reference group for Horizon Europa, topic Health (appointed by the Research Council of Norway), Spring-2020-Spring-2021.
Member, Norwegian Committee on Skill Needs, (Kompetansebehovsutvalget⁴), Ministry of Education and Research, 2024-2025.

BOARD MEMBER (INDUSTRY AND INSTITUTIONS)

NORUT IT AS (Foundation of Applied Research at the Univ. of Tromsø), Fall-1995 - Spring-1999. (Board member)
NORUT IT AS (Foundation of Applied Research at the Univ. of Tromsø), Fall-1999 - Spring-2006. (Deputy board member)
Invenia Innovation AS, Spring-2000 - Spring-2002.
North-Norwegian Health Net (Nordnorsk helsennett), Spring-2001 - Spring-2002. (Deputy board member)
Simula Research Laboratory AS, Oslo, Spring-2007 - Spring-2013.

⁴ The Norwegian Committee on Skill Needs is a government-appointed committee whose goal is to produce the best possible professional assessment of Norway's future competence needs. (Royal Decree 2 February 2024.)

North-Norway (Nord-Norsk vitensenter), Fall-2007 - Fall-2009. (Deputy board member)
Research-based innovation, Spring-2009 - Fall-2014. (Board member)
Jørges forskningsfond (Research trust of North Norway), 2010 - 2014. (Board member)
Jørges forskningsfond (Research trust of North Norway), 2015 - 2021. (Chairman of the board)
Fall-2020- (Board member)
Jørges forskningsfond (Research trust of North Norway), 2021 - 2024. (Chairman of the board)

EDITORIAL BOARDS

ACM Transactions on Computing for Healthcare (HEALTH), health.acm.org, Associate Editor, 2018-2020.

PROFESSIONAL

Founder of Tromsøstudentenes Dataforening (The Tromsø Students' Computer Association) (Established April 25, 1985). Honorary member since 1990.
Board member, Norwegian Unix systems User Group, Fall-1990 - Fall-1991.
Member, Norwegian Council for Computer Science, 1990-2004.
Member, Norwegian Computer Society - Profession Comm. ("Faglige utvalg"), Fall-1999 - Spring-2001.
Chairman, Norwegian Council for Computer Science, 2005-2006.
Board member, Norwegian Society for Medical Informatics (FDH), 2005-2011.
Member, Norwegian Computer Society - Research Policy Committee. ("Forskningspolitisk utvalg"), Fall-2009-pres.
Member, IMIA WG for Telehealth, Spring-2010-pres.
Board member, Norsk Helse-IT (NorHIT) (Norwegian Society for Medical Informatics), Spring-2012 - Spring-2013.
COST Action 19122 - European Network for Gender Balance in Informatics (EUGAIN), 2020-2022. (Norwegian member Management Committee, leader task force for planning a career program for female ass. prof. and assoc. prof. in WG3 "From PhD to professor")
Secretary general and board member, Academia Bornalis - The North-Norwegian Academy of Science and Letters, Spring-2022-.
Better Balance in Informatics (BBi), funded by the Research Council of Norway's BALANCE program. The goal is to promote gender balance, 2021-2022. (Member, local board UII)

6. CONSULTANCY WORK

Norgesnetttrådet (Evaluation of BSc-program), Fall-1998; Spring-1999; Fall-2000.
NORUT (Evaluation of PhD-program), Fall-2004; Fall-2005.
Gjøvik University College (Evaluation of PhD-program), Fall-2007.
University of Agder (Evaluation of MSc-program), Fall-2008.
ACE-Denmark, Evaluation of ICT study programs at 4 Danish universities, Spring-2008.

7. PROFESSIONAL MEMBERSHIPS

IMIA - International Medical Informatics Association
NorHIT⁵ - Norwegian Medical Informatics Association
Dataforening - Norwegian Computer Society (Since 1987)
ACM - Association for the Computing Machinery (Since 1988)
The Asia-Pacific Artificial Intelligence Association (AAILA), Fellow (Since 2024)

⁵ In 2011, FDH - Norwegian Medical Informatics Association, became NorHIT, a subgroup within the Norwegian Computer Society.

2. ACADEMIC QUALIFICATIONS

1980-1981 1-year Economical College
 1981-1982 Junior Officers' Training School (Norwegian Army)
 1982-1986 B.Sc. in Computer Science, University of Tromsø, Norway (330 ECTS)
 1986-1987 M.Sc. in Computer Science, University of Tromsø, Norway (90 ECTS)
 1987-1992 Ph.D. in Computer Science, University of Tromsø, Norway¹

3. ACADEMIC EMPLOYMENT

1987-1989 Research scholar, Bodo Graduate School of Business
 1989-1991 Assistant professor, Department of Computer Science, University of Tromsø
 1991-1994 Associate professor, Department of Computer Science, University of Tromsø
 1994-present Professor, Medical Informatics & Telemedicine Group, Department of Computer Science, University of Tromsø – The Arctic University of Norway²
 1995-1998 Professor IP³, Hedmark College (part time)
 1998-2001 Professor II, Bodo University College (part time)
 2000-2015 Professor II, Norwegian Centre for Integrated Care and Telemedicine, University Hospital of North Norway (part time)
 2003-2009 Vice Dean for Research and Education, Faculty of Science, University of Tromsø
 2007-2015 Director, Tromsø Telemedicine Laboratory, University Hospital of North Norway (part time)
 2016-2017 Professor II, Norwegian Centre for eHealth Research, University Hospital of North Norway (part time)
 2018-2022 Professor II, University of Agder, Faculty of Health- and Sport Science, campus Grimstad (part time)
 2018-2022 Professor II, University of Agder, Centre for e-health (part time)
 2023- Professor II / Senior researcher, The Helgeland Hospitality Trust (part time)

4. SABBATICAL LEAVES

1994-1995 University of Twente, Faculty of Computer Science, Nederland. (09.1994-08.1995)
 2006 (Fall) Institut für Medizinische Statistik und Epidemiologie, Technische Universität München (4 months)
 Department of Health Science and Technology, Aalborg University, Aalborg (2 weeks)
 2011 Technical University of Valencia, ITACA, Spain (2 weeks, July 2011)
 2011-2012 Center for Health and Technology, University of California Davis Health System, Sacramento, CA, USA (September-December 2011 & April-July 2012)
 2017-2018 Technical University of Valencia, ITACA, Spain (10 months)
 2021-2022 Karolinska Institutet, Stockholm, Sweden (10 months)
 2022 Department of Health Science and Technology, Faculty of Medicine, Aalborg University, Aalborg, Denmark (June 2022)

5. HONORARY POSTS

REPRESENTATIVE (UiT)

Chairman of education, Department of Computer Science, University of Tromsø, Spring-1990 - Spring-1991; Fall-2002 - Spring-2004; Fall-2019 - Spring-2020.
 Vice head of department, Department of Computer Science, University of Tromsø, Fall-1995 - Spring-1996; Spring-2002 - Fall-2004; Fall-2019 - Spring-2020.

¹ PhD dissertation defended 1st December 1992.

² University of Tromsø changed 1.8.2013 its name to University of Tromsø – The Arctic University of Norway. The short form "UiT The Arctic University of Norway" is often used.

³ "Professor II" is often a 20% non-tenured position.

Head of department, Department of Computer Science, University of Tromsø, Fall-1996 - Spring-1997; Spring-1998 - Spring-1999; Fall-2000 - Fall-2001; Spring-2005.
 Vice dean, Faculty of Science, University of Tromsø, Fall-2005 - Spring-2009.
 Head of research group in Medical Informatics & Telemedicine (Mi&T), Department of Computer Science, University of Tromsø, Fall-1997 - Spring-2019.
 Head of research group in Health Informatics and -Technology (HIT), Department of Computer Science, University of Tromsø, Fall-2019 - .

BOARD MEMBERS (UiT)

Member, Board, Faculty of Science, UiT, 1992; Fall-1997 - Fall-2001; Fall-2005 - Spring-2009.
 Member, Budget committee (TBU) at the Univ. of Tromsø, Spring-1993 - Spring-1994.
 Chairman, Grad. Civil Engineer committee, Univ. of Tromsø, Spring-1996.
 Deputy, University board, Univ. of Tromsø, Spring-1996 - Fall-1998.
 Member, budget committee, Faculty of Science, Univ. of Tromsø, Spring-1992 - Spring-1994; Fall-1997 - Spring-2001.
 Member, Board of education, Faculty of Science, Univ. of Tromsø, Spring-2002 - Fall-2004; Fall-2005 - Spring-2009. (Chairman from Fall-2005)
 Member, Board of research education, Faculty of Science, Univ. of Tromsø, Spring-2002 - Fall-2004; Fall-2005 - Spring-2009. (Chairman from Fall-2005)
 Member, Commercialization committee, Univ. of Tromsø, Fall-2003 - Spring-2009.
 Chairman, Study program board for technological studies, UiT, Fall-2003 - Spring-2005.
 Chairman, Study program board for telemedicine and e-health, Univ. of Tromsø, Fall-2005 - Fall-2007.
 Chairman, Study program board, Faculty of Science, Univ. of Tromsø, Fall-2005 - Spring-2009.
 Chairman, Study program board for science teachers' education, Univ. of Tromsø, Fall-2005 - Spring-2009.
 Member, Study program board for science teachers' education, Univ. of Tromsø, Spring-2008 - Fall-2009.

Dokumenter «alt» som kan presentere deg i et fordelaktig lys. Her dokumenteres et omfattende nasjonalt engasjement innen forskning. (Senterleder for et SFI – Senter for Forskningsdrevet Innovasjon.)

University of Tromsø and Narvik University College (HIN), Spring-2013. (2nd committee)
 Member, Project "GDPR og personvernforordning", project for the implementation of the General Data Protection Regulation (GDPR) (Regulation (EU) 2016/679) at UiT, (UiT project no. 2017-5951), UiT, Fall-2017 - Spring-2018.
 Horizon 2020⁺ task force, Faculty of Science and Technology, UiT (goal: increase the number of EU-funded projects at the Faculty of Science and Technology), Fall-2019-Spring-2021. (Member)
 Chairman, committee for planning a new study program in Artificial Intelligence at Faculty of Science and Technology, UiT ("Utarbeid av studieplan innen kunstig intelligens (AI)"). Fall-2019 - Spring-2020.

Chairman, committee for developing a curriculum for a five year's integrated master's degree in Artificial Intelligence at Faculty of Science and Technology, UiT ("Utredning av mulig studietilbud innen kunstig intelligens (AIJ)"). Spring-2020.

Chairman, committee for planning of experience-based master's in digital health services together with the health service in Region Helgeland, Norway. The work is financed through a grant of NOK 6.3 million from DIKU (the Directorate for Internationalization and Quality Development in Higher Education). Autumn-2021-Spring-2022. (Grant holder and leader of the project group)

BOARD AND COMMITTEES (OTHER INSTITUTIONS)

Member, Research education in psychiatry, University Hospital of North Norway, Fall-1998 - Spring-1999.

Chairman, The FIKS-program for ICT- and satellite-based industrial and commercial development in North-Norway, Fall-1999 - Spring-2000.

Member, Advisory board for TIRS and SAMREAL (Science in High School), Tromsødal High School, Spring-2006 - Spring-2009.

Member, Advisory board ("IDI-rådet"), Department of Informatics and Information Science, NTNU, Trondheim, Spring-2006 - Spring-2009.

Adjunct Member, Advisory board ("IDI-rådet"), Department of Informatics and Information Science, NTNU, Trondheim, Fall-2009 - Fall-2013.

Adjunct Member, Board at Nærvek University College, (Personal deputy for chairman of the board, Åge Danielsen), Fall-2011 - Spring-2015.

Member, Finales stipend ("Finalescholarships") (Purpose: To promote recruitment to studies in the fields of accounting, business law and computer science), Finales Systems AS, Fall-2011 - Spring-2014.

Northern Norway Regional Health Authority (Helse Nord RHF) Committee for assessing innovation applications, Spring-2024-. (Member, representing Helgelandssykehuset).

BOARD AND COMMITTEES (NATIONAL)

Member, National Committee for recruitment of women in ICT, 1997-1998.

Member, ICT-based industrial and commercial development in North-Norway, Fall-1998 - Spring-1999.

Member, Committee for planning of Research Centre of Excellence in ICT on Form (Research Council of Norway).

Member, jury, Realfagsprisen 2009. (Norwegian Science Prize). ("Realfagsprisen i Industri", which is part of "NHO - The Confederation of Norwegian Enterprise").

Member, The National Committee for Research Ethics in Science and Technology (NENT) (Nasjonal forskningsetisk komité for naturvitenskap og teknologi), 2010-2013, 2014-2017. (etikkom.no)

Member, Norwegian reference group for Horizons Europa, topic *Health* (appointed by the Research Council of Norway), Spring-2020-Spring-2021.

Member, Norwegian Committee on Skill Needs, (Kompetansebehovsutvalget⁴), Ministry of Education and Research, 2024-2025.

BOARD MEMBER (INDUSTRY AND INSTITUTIONS)

NORUT IT AS (Foundation of Applied Research at the Univ. of Tromsø), Fall-1995 - Spring-1999. (Board member)

NORUT IT AS (Foundation of Applied Research at the Univ. of Tromsø), Fall-1999 - Spring-2006. (Deputy board member)

Invenia Innovation AS, Spring-2000 - Spring-2002.

North-Norwegian Health Net (Nordnorsk helsennett), Spring-2001 - Spring-2002. (Deputy board member)

Simula Research Laboratory AS, Oslo, Spring-2007 - Spring-2013.

⁴ The Norwegian Committee on Skill Needs is a government-appointed committee whose goal is to produce the best possible professional assessment of Norway's future competence needs. (Royal Decree 2 February 2024.)

Science Centre of North-Norway (Nord-Norsk vitensenter), Fall-2007 - Fall-2009. (Deputy board member)

iAD (Centre for research-based innovation), Spring-2009 - Fall-2014. (Board member)

Kometen - Nord-Norges forskningsfond (Research trust of North Norway), 2010 - 2014. (Board member)

Kometen - Nord-Norges forskningsfond (Research trust of North Norway), 2015 - 2021. (Chairman of the board)

SINTEF Nord AS, Fall-2020- (Board member)

Akademisk mentor AS, Spring-2021-Spring-2024. (Chairman of the board)

EDITORIAL BOARDS

ACM Transactions on Computing for Healthcare (HEALTH), health.acm.org, Associate Editor, 2018-2020.

PROFESSIONAL

Founder of Tromsøstudentenes Dataforening (The Tromsø Students' Computer Association) (Established April 25, 1985). Honorary member since 1990.

Board member, Norwegian Unix systems User Group, Fall-1990 - Fall-1991.

Member, Norwegian Council for Computer Science, 1990-2004.

Member, Norwegian Computer Society - Profession Comm. ("Faglige utvalg"), Fall-1999 - Spring-2001.

Chairman, Norwegian Council for Computer Science, 2005-2006.

Chairman, Norwegian Council for Computer Science, 2007-2011.

Chairman, Norwegian Council for Computer Science, 2012-2014. (Faglige utvalg).

Chairman, Norwegian Council for Computer Science, 2015-2017. (Faglige utvalg).

Chairman, Norwegian Council for Computer Science, 2018-2020. (Faglige utvalg).

Chairman, Norwegian Council for Computer Science, 2021-2022. (Faglige utvalg).

Chairman, Norwegian Council for Computer Science, 2023-2024. (Faglige utvalg).

Chairman, Norwegian Council for Computer Science, 2025-2026. (Faglige utvalg).

6. CONSULTANCY WORK

Norgesnetttrådet (Evaluation of BSc-program), Fall-1998; Spring-1999; Fall-2000.

NORKUT (Evaluation of PhD-program), Fall-2004; Fall-2005.

Gjøvik University College (Evaluation of PhD-program), Fall-2007.

University of Agder (Evaluation of MSc-program), Fall-2008.

ACE-Denmark, Evaluation of ICT study programs at 4 Danish universities, Spring-2008.

7. PROFESSIONAL MEMBERSHIPS

IMIA - International Medical Informatics Association

NoeHIT⁵ - Norwegian Medical Informatics Association

Dataforening - Norwegian Computer Society (Since 1987)

ACM - Association for the Computing Machinery (Since 1988)

The Asia-Pacific Artificial Intelligence Association (AAILA), Fellow (Since 2024)

⁵ In 2011, FDH - Norwegian Medical Informatics Association, became NoeHIT, a subgroup within the Norwegian Computer Society.

Dokumenter «alt» som kan presentere deg i et fordelaktig lys. Her dokumenteres næringslivsengasjement.

Chairman, committee for developing a curriculum for a five year's integrated master's degree in Artificial Intelligence at Faculty of Science and Technology, UiT ("Utredning av mulig studietilbud innen kunstig intelligens (AI)"). Spring-2020.

Chairman, committee for planning of experience-based master's in digital health services together with the health service in Region Helgeland, Norway. The work is financed through a grant of NOK 6.3 million from DIKU (the Directorate for Internationalization and Quality Development in Higher Education). Autumn-2021-Spring-2022. (Grant holder and leader of the project group)

BOARD AND COMMITTEES (OTHER INSTITUTIONS)

Member, Research education in psychiatry, University Hospital of North Norway, Fall-1998 - Spring-1999.

Chairman, The FIKS-program for ICT- and satellite-based industrial and commercial development in North-Norway, Fall-1999 - Spring-2000.

Member, Advisory board for TIRS and SAMREAL (Science in High School), Tromsødal High School, Spring-2006 - Spring-2009.

Member, Advisory board ("IDI-rådet"), Department of Informatics and Information Science, NTNU, Trondheim, Spring-2006 - Spring-2009.

Adjunct Member, Advisory board ("IDI-rådet"), Department of Informatics and Information Science, NTNU, Trondheim, Fall-2009 - Fall-2013.

Adjunct Member, Board at Narvik University College, (Personal deputy for chairman of the board, Åge Danielsen), Fall-2011 - Spring-2015.

Member, Finske stipend ("Finske Scholarships") (Purpose: To promote recruitment to studies in the fields of accounting, business law and computer science), Finske Systems AS, Fall-2011 - Spring-2014.

Northern Norway Regional Health Authority (Helse Nord RHF) Co-ordinator, innovation applications, Spring-2024-. (Member, representing Tromsø)

BOARD AND COMMITTEES (NATIONAL)

Member, National Committee for recruitment of women in ICT, 1997-1998.

Member, ICT-based industrial and commercial development in North-Norway, Fall-1997 - Spring-1998.

Member, Committee for planning of Research Centre of Excellence in ICT on Fomebu, Spring-2000. (Research Council of Norway)

Member, jury, Realfagsprisen 2009. (Norwegian Science Prize). ("Realfagsprisen" is funded by "Norsk Industri", which is part of "NHO - The Confederation of Norwegian Enterprise".)

Member, The National Committee for Research Ethics in Science and Technology (NENT) (Nasjonal forskningsetisk komité for naturvitenskap og teknologi), 2010-2013, 2014-2017. (etikkom.no)

Member, Norwegian reference group for Horizons Europa, topic *Health* (appointed by the Research Council of Norway), Spring-2020-Spring-2021.

Member, Norwegian Committee on Skill Needs, (Kompetansebehovsutvalget⁴), Ministry of Education and Research, 2024-2025.

BOARD MEMBER (INDUSTRY AND INSTITUTIONS)

NORUT IT AS (Foundation of Applied Research at the Univ. of Tromsø), Fall-1995 - Spring-1999. (Board member)

NORUT IT AS (Foundation of Applied Research at the Univ. of Tromsø), Fall-1999 - Spring-2006. (Deputy board member)

Invenia Innovation AS, Spring-2000 - Spring-2002.

North-Norwegian Health Net (Nordnorsk helsennett), Spring-2001 - Spring-2002. (Deputy board member)

Simula Research Laboratory AS, Oslo, Spring-2007 - Spring-2013.

⁴ The Norwegian Committee on Skill Needs is a government-appointed committee whose goal is to produce the best possible professional assessment of Norway's future competence needs. (Royal Decree 2 February 2024.)

Science Centre of North-Norway (Nord-Norsk vitensenter), Fall-2007 - Fall-2009. (Deputy board member)

iAD (Centre for research-based innovation), Spring-2009 - Fall-2014. (Board member)

Kometen - Nord-Norges forskningsfond (Research trust of North Norway), 2010 - 2014. (Board member)

Kometen - Nord-Norges forskningsfond (Research trust of North Norway), 2015 - 2021. (Chairman of the board)

SINTEF Nord AS, Fall-2020- (Board member)

Akademisk mentor AS, Spring-2021-Spring-2024. (Chairman of the board)

EDITORIAL BOARDS

ACM Transactions on Computing for Healthcare (HEALTH), health.acm.org, Associate Editor, 2018-2020.

PROFESSIONAL

Founder of Tromsøstudentenes Dataforening (The Tromsø Students' Computer Association) (Established April 25, 1985). Honorary member since 1990.

Board member, Norwegian Unix systems User Group, Fall-1990 - Fall-1991.

Member, Norwegian Council for Computer Science, 1990-2004.

Member, Norwegian Computer Society - Profession Comm. ("Faglige utvalg"), Fall-1999 - Spring-2001.

Chairman, Norwegian Council for Computer Science, 2005-2006.

Board member, Norwegian Society for Medical Informatics (FDH), 2005-2011.

Member, Norwegian Society for Medical Informatics (FDH) Committee. ("Forskningspolitisk utvalg"), 2005-2011.

Member, Norwegian Society for Medical Informatics (FDH), 2012-2022.

Member, European Network for Gender Balance in Informatics (EUGAIN), 2020-2022. (Norwegian member Management Committee, leader task force for planning a career program for female ass. prof. and assoc. prof. in WG3 "From PhD to professor")

Secretary general and board member, Academia Bornalis - The North-Norwegian Academy of Science and Letters, Spring-2022-.

Better Balance in Informatics (BBiI), funded by the Research Council of Norway's BALANSE program. The goal is to promote gender balance, 2021-2022. (Member, local board UiT)

6. CONSULTANCY WORK

Norgesnetttrådet (Evaluation of BSc-program), Fall-1998; Spring-1999; Fall-2000.

NORKUT (Evaluation of PhD-program), Fall-2004; Fall-2005.

Gjøvik University College (Evaluation of PhD-program), Fall-2007.

University of Agder (Evaluation of MSC-program), Fall-2008.

ACE-Denmark, Evaluation of ICT study programs at 4 Danish universities, Spring-2008.

7. PROFESSIONAL MEMBERSHIPS

IMIA - International Medical Informatics Association

NoeHIT⁵ - Norwegian Medical Informatics Association

Dataforeningen - Norwegian Computer Society (Since 1987)

ACM - Association for the Computing Machinery (Since 1988)

The Asia-Pacific Artificial Intelligence Association (AAILA), Fellow (Since 2024)

⁵ In 2011, FDH - Norwegian Medical Informatics Association, became NoeHIT, a subgroup within the Norwegian Computer Society.

Dokumenter virksomhet som editor.

Chairman, committee for developing a curriculum for a five year's Integrated master's degree in Artificial Intelligence at Faculty of Science and Technology, UiT ("Utredning av mulig studietilbud innen kunstig intelligens (AI)"). Spring-2020.

Chairman, committee for planning of experience-based master's in digital health services together with the health service in Region Helgeland, Norway. The work is financed through a grant of NOK 6.3 million from DIKU (the Directorate for Internationalization and Quality Development in Higher Education). Autumn-2021-Spring-2022. (Grant holder and leader of the project group)

BOARD AND COMMITTEES (OTHER INSTITUTIONS)

Member, Research education in psychiatry, University Hospital of North Norway, Fall-1998 - Spring-1999.

Chairman, The FIKS-program for ICT- and satellite-based industrial and commercial development in North-Norway, Fall-1999 - Spring-2000.

Member, Advisory board for TIRS and SAMREAL (Science in High School), Tromsødal High School, Spring-2006 - Spring-2009.

Member, Advisory board ("IDI-rådet"), Department of Informatics and Information Science, NTNU, Trondheim, Spring-2006 - Spring-2009.

Adjunct Member, Advisory board ("IDI-rådet"), Department of Informatics and Information Science, NTNU, Trondheim, Fall-2009 - Fall-2013.

Adjunct Member, Board at Narvik University College, (Personal deputy for chairman of the board, Åge Danielsen), Fall-2011 - Spring-2015.

Member, Finale stipend ("Finale Scholarships") (Purpose: To promote recruitment to studies in the fields of accounting, business law and computer science), Finale Systems AS, Fall-2011 - Spring-2014.

Northern Norway Regional Health Authority (Helse Nord RHF) Commercial innovation applications, Spring-2024-. (Member, representing Helse Nord RHF)

BOARD AND COMMITTEES (NATIONAL)

Member, National Committee for recruitment of women in ICT, 1997-1998.

Member, ICT-based industrial and commercial development in North-Norway, 1998.

Member, Committee for planning of Research Centre of Excellence in ICT (Research Council of Norway)

Member, jury, Realfagsprisen 2009. (Norwegian Science Prize). ("Realiseringsprisen Industri", which is part of "NHO - The Confederation of Norwegian Enterprise")

Member, The National Committee for Research Ethics in Science and Technology (NENT) (Nasjonal forskningsetisk komité for naturvitenskap og teknologi), 2010-2013, 2014-2017. (etikkom.no)

Member, Norwegian reference group for Horizons Europa, topic *Health* (appointed by the Research Council of Norway), Spring-2020-Spring-2021.

Member, Norwegian Committee on Skill Needs, (Kompetansebehovsutvalget⁴), Ministry of Education and Research, 2024-2025.

BOARD MEMBER (INDUSTRY AND INSTITUTIONS)

NORUT IT AS (Foundation of Applied Research at the Univ. of Tromsø), Fall-1995 - Spring-1999. (Board member)

NORUT IT AS (Foundation of Applied Research at the Univ. of Tromsø), Fall-1999 - Spring-2006. (Deputy board member)

Invenia Innovation AS, Spring-2000 - Spring-2002.

North-Norwegian Health Net (Nordnorsk helsennett), Spring-2001 - Spring-2002. (Deputy board member)

Simula Research Laboratory AS, Oslo, Spring-2007 - Spring-2013.

⁴ The Norwegian Committee on Skill Needs is a government-appointed committee whose goal is to produce the best possible professional assessment of Norway's future competence needs. (Royal Decree 2 February 2024.)

Science Centre of North-Norway (Nord-Norsk vitensenter), Fall-2007 - Fall-2009. (Deputy board member)

iAD (Centre for research-based innovation), Spring-2009 - Fall-2014. (Board member)

Kometen - Nord-Norges forskningsfond (Research trust of North Norway), 2010 - 2014. (Board member)

Kometen - Nord-Norges forskningsfond (Research trust of North Norway), 2015 - 2021. (Chairman of the board)

SINTEF Nord AS, Fall-2020- (Board member)

Akademisk mentor AS, Spring-2021-Spring-2024. (Chairman of the board)

EDITORIAL BOARDS

ACM Transactions on Computing for Healthcare (HEALTH), health.acm.org, Associate Editor, 2018-2020.

PROFESSIONAL

Founder of Tromsøstudentenes Dataforening (The Tromsø Students' Computer Association) (Established April 25, 1985). Honorary member since 1990.

Board member, Norwegian Unix systems User Group, Fall-1990 - Fall-1991.

Member, Norwegian Council for Computer Science, 1990-2004.

Member, Norwegian Computer Society - Profession Comm. ("Faglige utvalg"), Fall-1999 - Spring-2001.

Chairman, Norwegian Council for Computer Science, 2005-2006.

6. CONSULTANCY WORK

Norgesnetttrådet (Evaluation of BSc-program), Fall-1998; Spring-1999; Fall-2000.

NORKUT (Evaluation of PhD-program), Fall-2004; Fall-2005.

Gjøvik University College (Evaluation of PhD-program), Fall-2007.

University of Agder (Evaluation of MSC-program), Fall-2008.

ACE-Denmark, Evaluation of ICT study programs at 4 Danish universities, Spring-2008.

7. PROFESSIONAL MEMBERSHIPS

IMIA - International Medical Informatics Association

NoeHIT⁵ - Norwegian Medical Informatics Association

Dataforening - Norwegian Computer Society (Since 1987)

ACM - Association for the Computing Machinery (Since 1988)

The Asia-Pacific Artificial Intelligence Association (AAILA), **Fellow** (Since 2024)

⁵ In 2011, FDH - Norwegian Medical Informatics Association, became NoeHIT, a subgroup within the Norwegian Computer Society.

Dokumenter «alt» som kan presentere deg i et fordelaktig lys. Her dokumenteres medlemskap i internasjonale faglige foreninger.

8. MEMBERSHIP IN ACADEMY OF SCIENCES

Academia Borealis, Nord-Norges Vitenskapsakademi (North-Norway Academy of Science and Letters) (since 2001)

Norwegian Academy of Technological Sciences (NTVA) (Norges Tekniske Vitenskapsakademi) (since 2016)

9. WHO IS WHO

Listed in "Who's Who in Ethics", Global Ethics Observatory (GEObs), unesco.org

Listed in "Biographical Lexicon of Medical Informatics", (2015) page 101. (ISBN 978-9958-720-57-4)

10. COURSES (COMPLETED)

"Assignment Leader - on the art of becoming a better center manager" ("Uppdrag Ledare - om konsten att bli en bättre centralförstärkare"), VINNOVA's leadership development program for "center managers" (SFI leaders), October 2008 - February 2010. Completed 02.2010.

"E-learning course in the Health Research Act" ("E-læringskurs i Helseforskningsloven"), 2-hour online course via Helsebiblioteket.no. Passed 28.8.2012.

"Environmental awareness UNN - External environment" ("Miljøbevissthet UNN online course via campus.unn.no. Completed 19.6.2014.

"Hand hygiene" ("Håndhygiene"), online course via campus.unn.no. Completed 1.

"Research supervision" ("Forskningsveiledning"), compulsory course in research research supervisors at UiT, Result (Resource center for teaching, learning UiT, autumn-2018-spring-2019.

"Assessment of educational competence" ("Vurdering av utdanningsfaglig kompetence (Resource center for teaching, learning and technology), UiT, spring-2020.

11. ADJUDICATION COMMITTEES FOR FACULTY POSITIONS

COMPUTER SCIENCE

Assistant Professor, Computer Science, Inst. of Informatics, Univ. of Trondheim, 1992.

Research Scholar, Faculty of Science, Univ. of Tromsø, Spring-1993. (Chairman)

Research Scholar, Faculty of Science, Univ. of Tromsø, Spring-1994.

2 x Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-1993. (Chairman)

Assoc. Prof., Dept. of Engineering, Tromsø University College, Fall-1996.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Univ. of Tromsø, Fall-1996.

(Chairman)

Assoc. Prof., Dept. of Computer Science, Univ. of Tromsø, Fall-1996.

Prof., Dept. of Civil Engineering, Narvik University College, Spring-1998. (Chairman)

Assoc. Prof., Dept. of Engineering, Tromsø University College, Fall-1998. (Chairman)

Assoc. Prof., Dept. of Computer Science, Hedmark University College, Fall-1998.

Assoc. Prof., Dept. of Computer Science, Hedmark University College, Spring-1999.

Assoc. Prof., Dept. of Civil Engineering, Narvik University College, Spring-1999.

Associate professor (hoofdocent), Faculty of Computer Science, University of Twente, Nederland.

Fall-99. (Promotion to the associate professorship level.)

Prof., Dept. of Computer Science, Hedmark University College, Fall-1999 (Chairman)

⁴ The course in research supervision provides theoretical insight and practical training in research supervision and satisfies the requirements that are directed at research supervisors at UiT. The course consists of two compulsory full-day meetings, a faculty-wide meeting and collegial collaboration across the academic environment.

⁷ The purpose of this course is to increase the competence in the assessment of educational competence. Increased professionalism in the assessment work will be a strength for committee work in employment, assessment of promotion applications, as well as assessment of applicants for merited teachers. The course provides competence and will be meritorious for the development of one's own educational competence, for example in relation to promotion to professor in line with the regulatory change. The course has a scope of work of approx. 2 weeks with two half-day meetings and three group meetings of 2 hours each.

Adj. Prof., Dept. of Computer Science, Hedmark University College, Fall-1999 (Chairman)

Assoc. Prof., Dept. of Computer Science, Hedmark University College, Fall-1999.

Prof., Dept. of Computer Science, Østfold University College, Spring-2000.

Prof., Dept. of Informatics, University of Oslo, Spring-2000.

Prof., Dept. of Civil Engineering, Narvik University College, Spring-2000.

Adj. Prof., Dept. of Computer Science, Østfold University College, Spring-2001 (Chairman)

Assoc. Prof., Dept. of Computer Science, Østfold University College, Spring-2001 (Chairman)

Adj. Assoc. Prof., Dept. of Computer Science, Østfold University College, Spring-2001 (Chairman)

Professor, Molde University College, Spring-2001.

Assoc. Prof., Dept. of Computer Science, Univ. of Tromsø, Fall-2001. (Chairman)

Assoc. Prof., Dept. of Computer Science, Univ. of Tromsø, Fall-2001. (Chairman)

Assoc. Prof., Østfold University College, Spring-2002. (Chairman)

Research Scholar, Nord-Trøndelag University College, Spring-2002. (Chairman)

Ass. Prof., Nord-Trøndelag University College, Spring-2002. (Chairman)

Prof. / Assoc. Prof., Bodø University College, Spring-2002. (Chairman)

Assoc. Prof./Ass. Prof., Nord-Trøndelag University College, Summer 2002. (Chairman)

Norwegian committee for (personal) professorships in Computer Science, 2002-2005.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

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Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

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Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

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Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Dokumenter «alt» som kan
presentere deg i et fordelaktig lys.
Her dokumenteres internasjonal
oppmerksomhet.

8. MEMBERSHIP IN ACADEMY OF SCIENCES

Academia Borealis, Nord-Norges Vitenskapsakademi (North-Norway Academy of Science and Letters) (since 2001)

Norwegian Academy of Technological Sciences (NTVA) (Norges Tekniske Vitenskapsakademi) (since 2016)

9. WHO IS WHO

Listed in "Who's Who in Ethics", Global Ethics Observatory (GEObs), unesco.org

Listed in "Biographical Lexicon of Medical Informatics", (2015) page 101. (ISBN 978-9958-720-57-4)

10. COURSES (COMPLETED)

"Assignment Leader - on the art of becoming a better center manager" ("Uppdrag Ledare - om kunsten å bli en bedre sentralføresleder"), VINNOVA's leadership development program for "center managers" (SFI leaders), October 2008 - February 2010. Completed 02.2010.

"E-learning course in the Health Research Act" ("E-læringskurs i Helseforskningsloven"), 2-hour online course via Helsebiblioteket.no. Passed 28.8.2012.

"Environmental awareness UNN - External environment" ("Miljøbevissthet UNN - Ytre miljø"), online course via campus.unn.no. Completed 19.6.2014.

"Hand hygiene" ("Håndhygiene"), online course via campus.unn.no. Completed 19.6.2014.

"Research supervision" ("Forskningsveiledning"), compulsory course in research supervision for research supervisors at UiT, Result (Resource center for teaching, learning and technology), UiT, autumn-2018-spring-2019.

"Assessment of educational competence" ("Vurdering av utdanningsfaglig kompetanse"), Result (Resource center for teaching, learning and technology), UiT, spring-2020.

11. ADJUDICATION COMMITTEES FOR FACULTY POSITIONS

COMPUTER SCIENCE

Assistant Professor, Computer Science, Inst. of Informatics, Univ. of Trondheim, Norway, Spring-1992.

Research Scholar, Faculty of Science, Univ. of Tromsø, Spring-1993. (Chairman)

Research Scholar, Faculty of Science, Univ. of Tromsø, Spring-1994.

2 x Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-1993.

Assoc. Prof., Dept. of Engineering, Tromsø University College, Fall-1996.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Univ. of Tromsø, (Chairman)

Assoc. Prof., Dept. of Computer Science, Univ. of Tromsø, Fall-1996.

Prof., Dept. of Civil Engineering, Narvik University College, Spring-1998. (Chairman)

Assoc. Prof., Dept. of Engineering, Tromsø University College, Fall-1998. (Chairman)

Assoc. Prof., Dept. of Computer Science, Hedmark University College, Fall-1998.

Assoc. Prof., Dept. of Computer Science, Hedmark University College, Spring-1999.

Assoc. Prof., Dept. of Civil Engineering, Narvik University College, Spring-1999.

Associate professor (hoofdocent), Faculty of Computer Science, University of Tromsø, Fall-99. (Promotion to the associate professorship level.)

Prof., Dept. of Computer Science, Hedmark University College, Fall-1999 (Chairman)

⁶ The course in research supervision provides theoretical insight and practical training in research supervision for research supervisors at UiT. The course consists of full-day meetings, a faculty-wide meeting and collegial collaboration across the academic center.

⁷ The purpose of this course is to increase the competence in the assessment of educational competence in the assessment work will be a strength for committee work in employee

promotion applications, as well as assessment of applicants for merited teachers. The course provides competence and will be meritorious for the development of one's own educational competence, for example in relation to promotion to professor in line with the regulatory change. The course has a scope of work of approx. 2 weeks with two half-day meetings and three group meetings of 2 hours each.

Adj. Prof., Dept. of Computer Science, Hedmark University College, Fall-1999 (Chairman)

Assoc. Prof., Dept. of Computer Science, Hedmark University College, Fall-1999.

Prof., Dept. of Computer Science, Østfold University College, Spring-2000.

Prof., Dept. of Informatics, University of Oslo, Spring-2000.

Prof., Dept. of Civil Engineering, Narvik University College, Spring-2000.

Adj. Prof., Dept. of Computer Science, Østfold University College, Spring-2001 (Chairman)

Assoc. Prof., Dept. of Computer Science, Østfold University College, Spring-2001 (Chairman)

Adj. Assoc. Prof., Dept. of Computer Science, Østfold University College, Spring-2001 (Chairman)

Professor, Molde University College, Spring-2001.

Assoc. Prof., Dept. of Computer Science, Univ. of Tromsø, Fall-2001. (Chairman)

Assoc. Prof., Dept. of Computer Science, Univ. of Tromsø, Fall-2001. (Chairman)

Assoc. Prof., Østfold University College, Spring-2002.

Research Scholar, Nord-Trøndelag University College, Spring-2002. (Chairman)

Ass. Prof., Nord-Trøndelag University College, Spring-2002. (Chairman)

Prof. / Assoc. Prof., Bodø University College, Spring-2002. (Chairman)

Assoc. Prof./Ass. Prof., Nord-Trøndelag University College, Summer 2002. (Chairman)

Norwegian committee for (personal) professorships in Computer Science, 2002-2005.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.

Assoc. Prof., Institutt for fervaltingsinformatikk, Faculty of Law, University of Oslo, Fall-2002.

Assoc. Prof., Dept. of Computer and Information Science, NTNU, Spring-2003.

Research Scholar, Østfold University College, Spring-2003.

Research Scholar, Buskerud University College, Spring-2003.

Assoc. Prof., Næra University College, Fall-2003.

Adj. Prof., Narvik University College, Spring-2004.

Prof., Østfold University College, Fall-2004.

Prof., (prof. II), Østfold University College, Fall-2004.

Prof., Unik, University of Oslo, Fall-2004.

Assoc. Prof., Nord-Trøndelag University College, Spring-2004. (Chairman)

Assoc. Prof. / Ass. Prof., Nord-Trøndelag University College, Fall-2004.

Assoc. Prof., Nord-Trøndelag University College, Fall-2004.

Research Scholar, Nord-Trøndelag University College, Fall-2004.

Postdoctor, Dept. of Computer Science, Univ. of Tromsø, Fall-2004. (Chairman)

Assoc. Prof. / Ass. Prof. (5 positions), Hedmark University College, Spring-2005.

Assoc. Prof., Dept. of Computer Science, Univ. of Tromsø, Fall-2005. (Chairman)

Dokumenter kurs som fremstiller deg i et godt lys og/eller er nødvendige for den stillingen du har.

NB! Her burde jeg også tatt med antall timer (omfang) for hvert av kursene.

Deltakelse i nasjonale
bedømmelseskomiteer til
vitenskapelige stillinger viser at du er
ansett for å være en habil fagperson
innen ditt kompetanseområde.

“Assessment of educational competence” (“Vurdering av undervisningsfaglig kompetanse”), Result (Resource center for teaching, learning and technology), UT, spring-2020.

11. ADJUDICATION COMMITTEES FOR FACULTY POSITIONS

COMPUTER SCIENCE

Assistant Professor, Computer Science, Inst. of Informatics, Univ. of Trondheim, Norway. Spring-1992.

Research Scholar, Faculty of Science, Univ. of Tromsø, Spring-1993. (Chairman)

Research Scholar, Faculty of Science, Univ. of Tromsø, Spring-1994

2 x Research Scholar, Dept. of Computer Science, Univ. of Toronto, Spring-1993. (Chairman)

Assoc. Prof., Dept. of Engineering, Thomas University College, Fall 1996.

Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Univ. of Tromsø, Fall-1996.
(Chairman)

Assoc. Prof., Dept. of Computer Science, Univ. of Tromsø, Fall-1996.

Prof., Dept. of Civil Engineering, Nanyk University College, Spring 1998. (Chairman)

Assoc. Prof., Dept. of Engineering, Tromsø University College, Fall-1998. (Chairman)

Assoc. Prof. Dept. of Computer Science, Hedmark University College, Fall-1998.

Assoc. Prof. Dept. of Computer Science, Hedmark University College, Spring-1999

Assoc. Prof., Dept. of Civil Engineering, Narsok University College, Spring-1989.

Associate professor (hoofdocent), Faculty of Computer Science, University of Twente, Nederland, Fall-99. (Promotion to the associate professorship level.)

Prof., Dept. of Computer Science, Hedmark University College, Fall-1999 (Chairman)

^a The course in research supervision provides theoretical insight and practical training in research supervision and satisfies the requirements that are directed at research supervisors at UvT. The course consists of two compulsory full-day meetings, a faculty-wide meeting and collegial collaboration across the academic environment.

The purpose of this course is to increase the competence in the assessment of educational competence. Increased professionalism in the assessment work will be a strength for committee work in employment, assessment of promotion applications, as well as assessment of applicants for merited teachers. The course provides competence and will be meritorious for the development of one's own educational competence, for example in relation to promotion to professor in line with the regulatory change. The course has a scope of work of approx. 2 weeks with two half-day meetings and three group meetings of 2 hours each.

[illegible]

Two-year, postgraduate positions in medical microbiology, Department of Health Sciences and Technology, Faculty of Medicine, University of Jyväskylä, Spring 2003.

Professor in English Studies and Medicine, Department of Health Sciences and Technology, Faculty of Medicine, Aulikki University, Spring 2003.

Professor in English Studies and Medicine, Department of Health Sciences and Technology, Faculty of Medicine, Aulikki University, Fall 2003.

Editor *Journal of Medical Microbiology in International and Applied Health*, Department of Health Sciences and Technology, Faculty of Medicine, Aulikki University, Spring 2003.

Editor *Journal of Medical Microbiology in International and Applied Health*, Department of Health Sciences and Technology, Faculty of Medicine, Aulikki University, Fall 2003.

Adjunct professor in English Studies and Medicine, Department of Health Sciences and Technology, Faculty of Medicine, Aulikki University, Fall 2005.

Editor *Journal of Medical Microbiology in International and Applied Health*, Department of Health Sciences and Technology, Faculty of Medicine, Aulikki University, Spring 2006.

Associate professor of Pharmaceutical Sciences (infectious microbiology) CSE position in English health sciences, Department of Global Public Health and Primary Care, Faculty of Medicine, University of Jyväskylä, Spring 2007.

Researcher's Position, at Researcher's Institution
 Senior researcher (Purdue U, Nov 07, Feb 2009)
 Senior researcher, NIVIR, Feb 2010
 Senior researcher, Nona - Northern Research Institute
 Senior researcher, U.S. Navy, Northern Research Institute

[illegible]

††. Inverse Kinematics
 **Calculus for a better*, invited lecture at Nordic of intelligent systems (25-26 August 2002)
 (Inverse Kinematics)

[illegible]

Deltakelse i internasjonale bedømmelseskomiteer til vitenskapelige stillinger viser at du er internasjonalt er ansett for å være en habil fagperson innen ditt kompetanseområde.

Two assoc. professor positions in medical informatics, Department of Health Science and Technology, Aalborg University, Denmark, Spring-2021.
Professor in Digital Health and Diabetes, Department of Health Science and Technology, Faculty of Medicine, Aalborg University, Spring-2022.
Lektor (assoc. prof.) in Digital Health and Diabetes, Department of Health Science and Technology, Faculty of Medicine, Aalborg University, Fall-2022.
Lektor (assoc. prof.) in Medical Informatics in telemedicine and digital health, Department of Health Science and Technology, Faculty of Medicine, Aalborg University, Spring-2023.
Lektor (assoc. prof.) in Medical Informatics in telemedicine and digital health, Department of Health Science and Technology, Faculty of Medicine, Aalborg University, Fall-2023.
Adjunct professor (Adjungeret professor), Department of Health Science and Technology, Faculty of Medicine, Aalborg University, Fall-2023.
Lektor (assoc. prof.) in Medical Informatics in telemedicine and digital health, Department of Health Science and Technology, Faculty of Medicine, Aalborg University, Fall-2024.
Assoc. professor (Førsteamanuensis) or lecturer (universitetslektor) (20 % position) in digital health services, Department of Global Public Health and Primary Care, Faculty of Medicine, University of Bergen, Fall-2024.

RESEARCH POSITIONS AT RESEARCH INSTITUTES

Senior researcher (Forsker 1), Norut IT, Fall-2005.
Senior researcher, SINTEF, Fall-2010.
Senior researcher, Norut - Northern Research Institute, Fall-2014.
Senior researchers (2), Norut - Northern Research Institute, Fall-2015.

12. ADJUDICATION COMMITTEES (PhD DISSERTATIONS)

PhD, Dept. of Computer Science, University of Tromsø, Fall-1995.
PhD, Dept. of Computer Science, University of Tromsø, Fall-1996.
Dr.ir., Faculty of Computer Science, University of Twente, The Netherlands, Fall-1997.
PhD, Biomedical Sciences and Engineering, Aalborg University, Denmark, Spring 2007.
PhD, Dept. of Computer Science, University of Tromsø, Fall-2007.
PhD, Dept. of Computer Science, University of Tromsø, Fall-2007.
PhD, Health Informatics, Dept. of Information Science, University of Bergen, Fall-2007.
PhD, Dept. of Computer Science, University of Tromsø, Spring-2009.
PhD, Biomedical Sciences and Engineering, Aalborg University, Denmark, Spring 2011.
PhD, Health Informatics, Dept. of Computer and Information Science, NTNU, Spring-2012.
PhD, Department of Business Administration, Technology and Social Sciences, Luleå University of Technology, Sweden, Fall-2013.
PhD, Dept. of Computer Science, University of Tromsø - The Arctic University of Norway, Fall-2014.
PhD, Dept. of Computer Science, University of Tromsø - The Arctic University of Norway, Spring-2016.
PhD, Dept. of Computer Science, University of Tromsø - The Arctic University of Norway, Spring-2016.
PhD, Dept. of Computer Science, University of Tromsø - The Arctic University of Norway, Fall-2018.
PhD, School of Sport Science, University of Tromsø - The Arctic University of Norway, Fall-2019.
PhD, Department of Women's and Children's Health, Uppsala University, Sverige, Spring -2025.
(Member of betygsnemnd)
PhD, Dept. of Computer Science, University of Tromsø - The Arctic University of Norway, Spring-2025.

13. INVITED KEYNOTES

"Telemedicine in homes", invited lecture at Nordisk e-installatekongress (22-24 August 2002, Tromsø, Norway).

Virksomhet som opponent og leder av nasjonale og internasjonale bedømmelseskomiteer for doktorgrad viser at du holder et høyt faglig nivå innen ditt fagområde.

Du synes kanskje dette blir vel detaljert? Du behøver ikke å bekymre deg – de som vurderer din kompetanse vet ha de skal se etter og hva som kan telle i din favør.

Two assoc. professor positions in medical informatics, Department of Health Science and Technology, Aalborg University, Denmark, Spring-2021.
 Professor in Digital Health and Diabetes, Department of Health Science and Technology, Faculty of Medicine, Aalborg University, Spring-2022.
 Lektor (assoc. prof.) in Digital Health and Diabetes, Department of Health Science and Technology, Faculty of Medicine, Aalborg University, Fall-2022.
 Lektor (assoc. prof.) in Medical Informatics in telemedicine and digital health, Department of Health Science and Technology, Faculty of Medicine, Aalborg University, Spring-2023.
 Lektor (assoc. prof.) in Medical Informatics in telemedicine and digital health, Department of Health Science and Technology, Faculty of Medicine, Aalborg University, Fall-2023.
 Adjunct professor (Adjungeret professor), Department of Health Science and Technology, Faculty of Medicine, Aalborg University, Fall-2023.
 Lektor (assoc. prof.) in Medical Informatics in telemedicine and digital health, Department of Health Science and Technology, Faculty of Medicine, Aalborg University, Fall-2024.
 Assoc. professor (Førsteamanuensis) or lecturer (universitetslektor) (20 % position) in digital health services, Department of Global Public Health and Primary Care, Faculty of Medicine, University of Bergen, Fall-2024.

RESEARCH POSITIONS AT RESEARCH INSTITUTES

Senior researcher (Forsker I), Norut IT, Fall-2005.

Senior researcher, SINTEF, Fall-2010.

Senior researcher, Norut - Northern Research Institute, Fall-2014.

PhD, Dept. of Computer Science, University of Tromsø, Spring-2009.

PhD, Biomedical Sciences and Engineering, Aalborg University, Denmark, Spring-2011.

PhD, Health Informatics, Dept. of Computer and Information Science, NTNU, Spring-2012.

PhD, Department of Business Administration, Technology and Social Sciences, Luleå University of Technology, Sweden, Fall-2013.

PhD, Dept. of Computer Science, University of Tromsø - The Arctic University of Norway, Fall-2014.

PhD, Dept. of Computer Science, University of Tromsø - The Arctic University of Norway, Spring-2016.

PhD, Dept. of Computer Science, University of Tromsø - The Arctic University of Norway, Spring-2016.

PhD, Dept. of Computer Science, University of Tromsø - The Arctic University of Norway, Fall-2018.

PhD, School of Sport Science, University of Tromsø - The Arctic University of Norway, Fall-2019.

PhD, Department of Women's and Children's Health, Uppsala University, Sverige, Spring -2025.
 (Member of betygsnemnd)

PhD, Dept. of Computer Science, University of Tromsø - The Arctic University of Norway, Spring-2025.

13. INVITED KEYNOTES

"Telemedicine in homes", Invited lecture at Nordisk ei-installeringskonferanse (22-24 August 2002, Tromsø, Norway).

"Challenges in telemedicine and eHealth: Lessons learned from 20 years with telemedicine in Tromsø", Invited keynote (45 min) at Scandinavian Conference on Health Informatics - SHI 2006 (24-25 August 2006, Aalborg, Denmark).
 "Norwegian Experiences with Telemedicine and E-Health", Invited lecture (45 min), *Minimal Invasive Surgery for the Elderly - towards robot assisted surgery and simulator Training*, (14 March 2007, The Nobel Forum, Karolinska Institutet, Stockholm).
 "Telemedicine in Norway", Invited keynote at SCT 2007 (Scottish Centre for Telehealth), (20-21 November 2007, The Westerwood Hotel, Cumbernauld, Glasgow).
 "Telemedicine in Norway", Invited keynote lecture at ICICTH 2008 (11-13 July 2008, Samos, Greece). (Step-in for another lecturer)
 "Experiences with telemedicine in Tromsø, Norway - from entrepreneurship to full-scale telemedicine services", Invited keynote ANTEL 2008: La France dans l'Europe de la télémédecine, (5 September 2008, Palais du Luxembourg, Paris) (L'expérience de télémédecine en Norvège)
 "Wireless and mobile technologies for self-help treatment of people with diabetes", Nordic Conference on self-help treatment of patients with chronic diseases (Danish, "Egenomsorg ved kronisk sygdom"), (2 December 2010, Copenhagen, Denmark). Organizer: Nordisk ministerråd og Sundhedsstyrelsen.
 "Ten lessons you should know when implementing telemedicine services in rural areas", Invited keynote lecture at Telematics 2013 (26 June 2013, St. Petersburg, Russia)
 "Lessons Learned from 20 Years of Telemedicine in North Norway", Invited keynote at Telemedicine: International Cooperation and Experience (26 September 2013, Kladno, Czech Republic)
 "Mobile technologies for self-management of chronic diseases eHealth", Keynote at Innovation Days at Flensburg University of Applied Sciences (FUAS) (8-9 September 2016, Flensburg, Germany)
 "Challenges in telemedicine and eHealth: Lessons learned from 25 years with telemedicine in Northern Norway", 45 min keynote at NUNA MED 2016, Telemedicine session (1-3 October 2016, Nuuk, Greenland)
 "25 лет истории развития телемедицины на севере Норвегии" ("25 years history of the development of telemedicine in northern Norway") Keynote (2.5 hours) at 2nd International scientific and Practical Conference "Arctic Telemedicine" (24-25 November 2016, Naryn-Mar, Nenets AO) (Given in English but with simultaneous translation into Russian.)
 "The digital health revolution started almost 50 years ago in Northern Norway", Invited keynote at the VI. Kladruhy Symposium on Interdisciplinary Neurorehabilitation (with international attendance). Focus on Innovative Technology, Treatment Management, Telemedicine and Supervisory Therapeutic Systems (Kladruhy, Czech Republic, Oct 31 - Nov 01, 2019)
 "Mobile applications for self-help and motivation of people with diabetes", Invited lecture (keynote) at the Diabetes Research Symposium: Digital Health and Self-Management (27-28 May 2021, Aalborg, Denmark) Organizer: Aalborg University, Steno Diabetes Center North Denmark & Danish Diabetes Academy.
 "AI applied in diabetes research and care: glucose control", The 57th Annual Meeting (EASD 2021), 27.9-1.10.2021: Diabetologia Symposium: Learning from machines - AI in diabetes research and care. (September 29, 2021). Organizer: European Association for the Study of Diabetes.
 "Medical data mining and data analytics", Invited lecture, Norway-Singapore webinar on MedTech / Digital Health, Norway-Singapore Science Week 2021, 1-5. November, 2021). Organizer: Innovation Norway.
 "How home health monitoring, smart sensors, small data and digital dust can save your life", 60 min keynote presentation at EFMI Special Topic Conference 2023, 25-27 October 2023 (Torino, Italia).
 "Artificial intelligence, digital health and health technology - ethical implications for medical and health research" ("Kunstig intelligens, digital helse og helse teknologi - etiske implikasjoner for medisinsk og helsefaglig forskning"), 45 min. invited lecture during the Grand Joint Meeting of REC and NEM (Storfelesemøte for REC og NEM). Tromsø, 18-19. October 2023, Tromsø. Organizer: The National Research Ethics Committees.

14. INTERNATIONAL PRESENTATIONS (SELECTED)

- "StormCast – a Distributed Artificial Intelligence Application for Severe Storm Forecasting", The 8th IFAC Workshop on Distributed Computer Control Systems, DCCS-88 (13-15 September 1988, Vitznau, Switzerland).
- "Experiences from The Use of The Grimsd-Model for Design and Implementation of Educational Software." IFIP WG 3.5 Working Conference on Elementary Education (1-5 July 1991, Ålesund, Norway).
- "Reducing the gap between academic theory and professional practice in software engineering education". 7th SEI Conference on Software Engineering Education, (5-7 January 1994, San Antonio, Texas, USA).
- "A Software Prosthesis for Color-Defective Vision", NIK '96 (18-20 November 1996, Alta, Norway).
- "Give me your URL, and I will tell you who you are", NOKOBIT'97 (11-13 June 1997, Bode, Norway).
- "Lessons learned from Silicon Valley?", NOKOBIT'97 (11-13 June 1997, Bode, Norway).
- "User Model Based Software Agents: The Virtual Secretary Approach." NIK '97 (24-26 November 1997, Voss, Norway).
- "Approaching Efficient Cooperation in a Multi-Agent System," The Sixth Scandinavian Conference on Artificial Intelligence (SCAI '97) (18-20 August 1997, Helsinki, Finland).
- "Scenario 2002" (On future ICT-systems within medicine) Norwegian Telemed '99 (13-15 October 1999, Tromsø, Norway).
- "Give me your URL and I will tell you who you are." NIK'99 (15-17 November 1999, Trondheim, Norway).
- "Integration of Electronic Patient Records – Opportunities and Challenges." Invited lecture on "Interregional Workshop on Strategies for Implementing, Monitoring and Evaluation of Comprehensive Quality Eye Care Programmes in Developing Countries of South East Asia and Western Pacific Regions" (1-2 July 2000, Tromsø, Norway).
- "Telemedicine and the technological dimension", MH-seminar (Medicine and Health), Research Council of Norway (11-12 May 2000, Tromsø, Norway).
- "Forget Big Brother: Everybody is watching you", Telecom EXPO 2000, Oslo, 18. October 2000.
- "Myths about the ICT-sector", NOKOBIT'00 (20-22 November 2000, Bode, Norway).
- "Surveillance or Safety? The smart homes of tomorrow introduce 1984-aspects into private homes", DnD Fagting (20-21 April 2000, Moss, Norway).
- "Integration of Electronic Patient Records – The DiPato Approach", "Toward an Electronic Health Record Europe 2000" (12-15 November 2000, London, UK).
- "Do positive aspects of technology (for elderly) exist?", Seminar on ethics, elderly/disabled and smart home technology (22-23 February 2001, Norwegian Centre for Telemedicine, Tromsø, Norway).
- "Det Gode Rommet (The Good Room) – Organisation and future visions" Invited lecture at Nordic forum for Telecommunication and Handicap (NFTH) (19 March 2001, Tromsø, Norway).
- "A Smart Home Infrastructure for Increased Quality of Life in Senior Citizens' Private Homes: The Good Room Approach", 7th Circumpolar University Co-operation Conference (CUA'01) (19-21 August 2001, Tromsø, Norway).
- "PaSent – The Electronic Patient Record as the Patient's Health Adviser." 6th TEHRE Conference (TEHRE 2001) (6th Annual European Health IT Conference and Exposition) (11-14 November 2001, London, UK).
- "The electronic health record as the patient's knowledge base: How can intelligent search agents provide information about the patient's own health problems?", Patient in the middle '01 (Pasienten i Sentrum '01) (23-24 April 2001, Tromsø, Norway).
- "The Caring Home of Tomorrow", NELFOs annual conference (27 April 2001, Bergen, Norway).
- "PaSent – The Patient's Personal Health Advisor". Telemed '02 Conference (29-30 January 2002, London, UK).
- "Web pages and the disappearance of social reality: An analysis of its moral implications." Making Common Ground: methodological and ethical challenges in Internet research. Nordic interdisciplinary workshop at NTNU (1-2 June 2002, Trondheim, Norway).
- "A remote-controlled pill dispenser for telecare", 4th Nordic Congress on Telemedicine (Nortelemed 2002) (30.9-2.10.2002, Tromsø, Norway)

Internasjonale foredrag viser at du holder et høyt faglig nivå innen ditt fagområde.

Motivational apps for people with intellectual disabilities: Progress on MOVE-IT PR2, Move-IT Transnational Meeting (Treviso, Italia, 21-22 November 2022). Organizer: Move-IT consortium (ERASMUS+).

"The Virtual Secretary Architecture for Secure Software Agents". The first international conference and exhibition on The Practical Application of Intelligent Agents and Multi-Agent Technology (PAAM 96), (22-24 April 1996, London, UK).

Age (years)	Ever in a romantic relationship (%)	Never in a romantic relationship (%)
18	10	90
20	15	85
25	30	70
30	45	55
35	50	50
40	60	40
45	70	30
50	78	22
55	82	18
60	84	16
65	85	15

Internasjonale poster
presentasjoner viser at du
holder et høyt faglig nivå
innen ditt fagområde.

- "A FHIR-based data flow enabling patients to share self-collected data with the Norwegian national healthcare systems and electronic health record systems". ATTD 2018 (Vienna, Austria, 14-17 February 2018)
- "Extended Glucose Monitoring through the use of Group-based Internet of Things Mini Displays". ATTD 2018 (Vienna, Austria, 14-17 February 2018)
- "Utilizing the New Generation of Wearable Devices in a Combined Diabetes Diary Application". ATTD 2018 (Vienna, Austria, 14-17 February 2018)
- "Using Big Data and Machine Learning for insulin-dependent diabetes analytics". ATTD 2018 (Vienna, Austria, 14-17 February 2018)
- "Stepwise treatment concept proposed for an mHealth enabled diabetes intervention". ATTD 2018 (Vienna, Austria, 14-17 February 2018)
- "Improving study management services for mHealth interventions – A dynamic concept for more

Internasjonale paneler viser at du holder et høyt faglig nivå innen ditt fagområde.

- type 2 diabetes". ATTD 2023 (Berlin, Germany, 22-25 February 2023). (e-Poster)
- "Mobile Nutritional Delivery System for People with Insulin-Treated Diabetes". ATTD 2023 (Berlin, Germany, 22-25 February 2023). (e-Poster)
- "Integrating Hybrid Closed Loop Data into Third-Party Systems: A FHIR-Based Technical Implementation and its Challenges". ATTD 2024 (Florence, Italy, March 6-9, 2024). (e-Poster)
- "DiAchive: Preliminary Results from a Study on End-Users' Preferences for a Novel E-Health Program for Type 2 Diabetes". ATTD 2024 (Florence, Italy, March 6-9, 2024). (e-Poster)
- "An mHealth tool designed to empower and enhance communication between healthcare providers and Sami patients with type 2 diabetes". ATTD 2024 (Florence, Italy, March 6-9, 2024). (e-Poster)
- "Open digital health workshops – a model for mutual contact and knowledge exchange with the local community". MIE 2024 (Athens, Greece, 25-29. august 2024). (e-Poster)
- "Augmented Reality based Exergames for Persons with Intellectual Disability". MIE 2024 (Athens, Greece, 25-29. august 2024). (e-Poster)
- "Surgical Telementoring as Teaching Tool in the Operating Room. A Trans Nordic IDEAL-Stage 2a Telementored Series of Robotic Ventral Mesh Rectopexy Learning Curve". ESCP's 19th Scientific and Annual Conference (ESPC 2024) (Thessaloniki, Greece, 25-27 September 2024). (e-Poster)

16. PANELS AND WORKSHOPS

PANEL PARTICIPATIONS (INTERNATIONAL)

- Interactive Panel Discussion*, Part of 1-day tutorial: "Telemedicine 201 - Taking Your Program to the Next Level." ATA International Meeting and Exposition (Sunday 29 April 2012, San Jose, California).
- Round table discussion: How to commercialize*, The Circumpolar Conference on High North Entrepreneurship and Innovation, (26-27 November 2012, Tromsø, Norway).
- Panel discussion: Which are the challenges for successful eHealth in the High North in a short (2 years) and long (10 years) perspective? What are the generic concepts? Who are the main stakeholders?* International workshop on Healthy Living in the High North: Providing health and social care to remote regions (30 November 2012, Tromsø, Norway)
- Interactive Panel Discussion, "Operational Aspects of Inpatient and Outpatient Telemedicine"*, Part of 1-day tutorial: "Telemedicine 101 - How to Build Your Telehealth Program" ATA

- International Meeting and Exposition (Saturday 4 May 2013, Austin, Texas, USA).
- Panel Discussion, "Working solutions for telehealth in low resource areas"* IMIA WG on Telehealth, Medinfo 2013 (20-23.8.2013, Copenhagen, Denmark)
- Panel Discussion, "Health informatics research - publications and contributions?"* SHI 2014 (21-22 August 2014, Grimstad, Norway) (Role: Panel organizer and leader)
- Panel, "What are the most promising areas for doing research in health informatics?"*, PRE SHI 2015 & Tromsø E-health Week seminar (12 June 2015, Tromsø, Norway) (Role: Panel organizer and leader)
- Panel, "mHealth and eHealth for Patient Engagement and Self-Efficacy"*, Panel under HEC2016 (MIE 2016) (28.8-2.9.2016, Munich, Germany). Panellists from IMIA WG Telehealth. (Role: Panel initiator & panel member)
- Panel, No. 721, "Regulation of Tele-Health in Emerging Economies: Quo Vadis?"* (MEDINFO 2017, Hangzhou, China, 21-25 August 2017) My presentation: "Regulation of Tele-Health in Emerging Economies: Quo Vadis? Lessons learned from Norway (or – where you might go)" (30 min.)
- Panel: "Panel discussion: Health Informatics: From research to ordinary use"*, Panel under the 16th Scandinavian Conference on Health Informatics 2018 (SHI2018) (Aalborg, Denmark, 28-29 August 2018) My presentation: "Health Informatics: From research to ordinary use" (15 min.) (Role: Panel member)
- Panel: "Challenges, opportunities, best-practice, lessons learned from doing research on people with intellectual disabilities and/or developmental disorders"*, panel during the workshop "Digital Transformation for an Inclusive Society – DTIS", as part of The 18th IFIP Conference on e-Business, e-Services and e-Society (I3E2019) (Trondheim, Norway, 18-20 September 2019) (Role: Panel organizer & leader)

PANEL PARTICIPATIONS (NORWEGIAN)

- Panel, "Grensløst Teknologi?"* ("Borderless technology") (21 September 2016, Stormen public library, Bodo, Norway) My introduction: "Har forskere et ansvar for teknologisk forskning som kan utsette menneskeheten?" ("Do scientists have a responsibility for technological research that could destroy mankind?") Organizer: Nordlandsforskning, NORUT Bodo, Bodo kommune, The National Committee for Research Ethics in Science and Technology (NENT).
- Panel "What are the biggest challenges in welfare technology in our region?"* ("Hva er de største utfordringene innen velferdsteknologi i vår region?") Konferanse om velferdsteknologi og fremtidens helsevesen i norske kommuner, University of Tromsø – The Arctic University of Norway campus Harstad, Thursday 19 September 2024.

WORKSHOP PARTICIPATION AT INTERNATIONAL CONFERENCES

- Workshop, "Education in Health Informatics in Scandinavian Countries?"* SHI 2014 (21-22 August 2014, Grimstad, Norway) (Role: Workshop organizer and leader)
- Workshop, "Status of health informatics research in Scandinavia"* SHI 2015 (14-17 June 2015, Tromsø, Norway) (Role: Workshop co-organizer and co-leader)
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- Workshop, Tromsø/Chicago seminar & ADMIT workshop. 1-day pre-workshop on motivational mechanisms in eHealth*. Tromsø, 16 June 2016). Organizer: Dept. of Computer Science, University of Tromsø – The Arctic University of Norway; Norwegian Centre for eHealth Research; Institute of Design, Illinois Institute of Technology (Role: Workshop organizer and co-leader) (Committee: G.Hartvigsen, K.Sato, T.Chomutare)
- Workshop, Tromsø/Chicago seminar & ADMIT workshop. 2-day workshop on motivational mechanisms in eHealth*. Tromsø, 1-2 December 2016). Organizer: Dept. of Computer Science, University of Tromsø – The Arctic University of Norway; Norwegian Centre for eHealth

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- Research; Institute of Design, Illinois Institute of Technology (Role: Workshop organizer and co-leader) (Committee: G.Hartvigsen, K.Sato)
- Workshop on wireless communication in eHealth. (Tromsø, 21 February 2017). Organizer: Dept. of Computer Science, University of Tromsø – The Arctic University of Norway; Norwegian Centre for eHealth Research; Institute of Design, Illinois Institute of Technology; Fresnel Institute, Ecole Centrale Marseille, France (Role: Workshop initiator and co-organizer) (Committee: G.Hartvigsen, K.Sato, A.Khalighi)
- Workshop 690 "Preparing the Next Generation for Information and Communications Technology enabled Healthcare" (MEDINFO 2017, Hangzhou, China, 21-25 August 2017) My presentation: "How do We Plan for the Digital Health Revolution?" (20 min.)
- Workshop, EHIN 2017 Preconference/Workshop "The Digital Health Revolution is happening now: How will it affect Norwegian healthcare?", EHIN 2017 (Oslo, 30 October 2017). My presentation: "The digital health revolution is happening now" (30 min.) (Role: Workshop initiator and organizer)
- Workshop on living lab / living in a lab / living with a lab (Tromsø, 11-12 December 2018). Organizer: Dept. of Computer Science, University of Tromsø – The Arctic University of Norway; Norwegian Centre for eHealth Research; Faculty of Health- and Sport Sciences, University of Agder; Institut National Universitaire Champollion, France. (Role: Workshop initiator and organizer) (Committee: G.Hartvigsen, E.Årsand, H.Pingaud)
- Workshop on machine learning, reinforcement learning and statistical pattern recognition in experimental eHealth and medical computer science research (Tromsø, 11 March 2019). Organizer: Dept. of Computer Science, University of Tromsø – The Arctic University of Norway; Norwegian Centre for eHealth Research; Institute of Design, Illinois Institute of Technology; Technical University of Valencia (UPV), Valencia, Spain; Faculty of Health- and Sport Sciences, University of Agder. (Role: Workshop initiator and organizer) (Committee: G.Hartvigsen, E.Årsand, H.Pingaud, K.Sato)

Nasjonale paneler viser at du holder et høyt faglig nivå innen ditt fagområde.

- Workshop, "Technology for people with ID" (Role: Workshop initiator and organizer) (Committee: G.Hartvigsen, A.Anke, L.Jaccheri)
- Workshop at the 31st Medical Informatics Europe Conference (MIE 2021), (Digital) 29-31.5.2021: "Workshop on motivation: What motivates patients with NCDs to follow up their treatment?" (8 minute's introduction). Role: Initiator and organizer.

PhD CONSORTIUM (INTERNATIONAL)

- PhD Consortium under Scandinavian Health Informatics Conference 2017 (SHI2017), full-day (09:00-17:00) PhD consortium (Kristiansand, 28 August 2017). My role: co-organizer, commentator, presenter.

17. NORWEGIAN PRESENTATIONS (SELECTED)

- "The University's responsibility for industry and business development", DnD/Tromsø (20.02.96, Tromsø, Norway).
- "The industrial growth in Silicon Valley", kick-off meeting for ICT-based business development in North-Norway (26.02.98, Tromsø, Norway).
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 Workshop on Digital Transformation for an Inclusive Society – DTIS (Trondheim, Norway, 19 September 2019). Part of the 18th IFIP Conference on e-Business, e-Services and e-Society (I3E2019) Organizer: IFIP TC6 (Role: Member of workshop organizing committee) (Committee: J.Gomez, L.Jaccheri, Ö.Özgöbek, G.Hartvigsen)
 Workshop, SHI/EHIN 2019 Workshop/Preconference "Patient Generated Data. Opportunities and challenges". (Oslo, Norway, 11 November 2019). My presentation: "Digital medicine and emergent technologies". (Committee: G.Hartvigsen, E.Årsand, A.Grottlund)
 Workshop on technology and e-support for people with mental disabilities (Tromsø, 6 December 2019). Organizer: Dept. of Computer Science, University of Tromsø – The Arctic University of Norway; Norwegian Centre for eHealth Research; IDI, NTNU. My presentation: "Technology for people with ID" (Role: Workshop initiator and organizer) (Committee: G.Hartvigsen, A.Anke, L.Jaccheri)
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PhD Consortium (International)
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"What characterize excellent research?", Research seminar, Bodo University College (29.10.1999, Bodo, Norway).

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future of health services in the North, 19 September 2024. Organizer: UiT The Arctic University of Norway, Campus Harstad. (30 min)

"A digital health revolution in health technology. Possible consequences of the digital health revolution" ("En digital helse-revolusjon innen helse-teknologi. Mulige konsekvenser av den digitale helse-revolusjonen") Conference on the future of health services in the North, 19 September 2024. Organizer: UiT The Arctic University of Norway, Campus Harstad. (30 min)

"A digital health(re)volution – what does this mean for personalised medicine?" ("En digital helse(re)volusjon – hva betyr dette for personilpasset medisin?") Joint meeting: Personalised medicine – professional network in the Northern Norway Regional Health Authority, 4 October 2024 (online). (45 min) Organizer: NorPreM - The National Competence Network for Personalized Medicine.

"How health monitoring in the home, smart sensors, digital twins, small data and digital dust can save lives" ("Hvordan helseovervåking i hjemmet, smarte sensorer, digitale tvillinger, smådata og digitalt støv kan redde liv"). Invited lecture, National seminar for treatment aids, Quality Hotel Olavsgrø (Skjetten) 23-24 October 2024. Organizer: National Network Group for Assistive Devices for Treatment (Nasjonal nettverksgruppe for behandlingshjelpemidler).

18. PODCASTS AND YOUTUBE

PODCASTS

"A new life with technology for you with diabetes" ("Nytt liv med ny teknologi for deg med diabetes"), 25 min podcast in the podcast series "Observatoriet podcast" produced for UiT's 50 years anniversary 2018. Published 1.3.2018.⁸

YOUTUBE

"Motivation in mHealth, eHealth and telemedicine", 20 min presentation at under EHIN 2016 – Prevention and motivation, published 21 December 2016. (My presentation starts after 27 min 40 sec)

"Innovation in e-health: A digital health(re)volution" ("Innovasjon i e-helse: En digitale helse(re)volusjon"), 45 min lecture in the seminar series "Innovation Lecture on Friday" ("Innovasjonsforelesning på fredag"), 21 May 2021.⁹

"Technological applications and systems for people with chronic conditions and other health-related problems" ("Teknologiske applikasjoner og systemer for personer med kroniske lidelser og andre helse-relaterte problemer"), 45 min lecture in the seminar series "Innovation Lecture on Friday" ("Innovasjonsforelesning på fredag"), 18 March 2022.¹⁰

19. NEWS MEDIA CONTRIBUTIONS (SELECTED)

"Critical situation in Computer Science" ("Kritisk på informatikk"), IT avisen, Tuesday, April 8, 1997.

"Active IT professor" ("Aktiv IT-professor"), IT avisen, Tuesday, May 20, 1997.

"PC is outdated – now comes PoCo" ("PC er avleget – nå kommer PoCo"), Nordlys, September 25, 1997.

"IT education in the north – a sinking ship" ("IT-utdanning i nord – et synkende skip"), Nordlys, January 17, 1998.

"Many losers in the digital future" ("Mange tapere i den digitale framtida"), Nordlys, September 25, 1998.

"The future is here" ("Fremtiden er her"), Nordlys, September 26, 1998.

"Masters on the internet" ("Felleskikk på Internet"), avisen Nordlys, October 9, 1998.

"Fear of IT-Fornebu" ("Frykt for IT-Fornebu"), Nordlys, February 17, 1999.

"Will cooperate with IT-Fornebu" ("Vi samarbeide med IT-Fornebu"), Nordlys, August 4, 1999.

"Always monitored" ("Alltid overvåket"), Nordlys, October 4, 1999.

⁸ <https://uit.no/50-50-forskere>

⁹ <https://www.youtube.com/watch?v=gkijG-1gan4>

¹⁰ <https://www.youtube.com/watch?v=Rp-GjPMWYg>

¹¹ <https://www.youtube.com/watch?v=b6wzdkJd3oo>

Weekend guest on P4 (radio) about rules for using electronic mail. Sandy, July 2, 2000.

"The care home of the future" ("Fremtidens omsorgsbolig"), Bergens Tidende, May 10, 2001.

"Sends e-mail – but cannot write" ("Sender e-post – men kan ikke skrive"), the newspaper Nordlys, June 7, 2001.

"Useful online etiquette" ("Nyttig nett-etikette"), orapp.no (Online Financial Report), August 1, 2002.

"Pills on a techno box" ("Piller på teknoboks"), the newspaper Tromsø, May 2, 2003.

"Mary (80) has an automatic pill alarm" ("Mary (80) har automatisk pillalarm"), the newspaper VG, May 2, 2003.

"The healthcare system of the future is electronic" ("Fremtidens helsevesen er elektronisk"), www.forskning.no, August 28, 2003.

"The healthcare system of the future is electronic" ("Fremtidens helsevesen er elektronisk"), handel.no, August 28, 2003.

"Electronics take over in the healthcare system of the future" ("Elektronikken overtar i framtidens helsevesen"), helseveven.no, August 29, 2003.

"The healthcare system of the future is electronic" ("Fremtidens helsevesen er elektronisk"), www.dyrrog.kommune.no, May 26, 2004.

"Now the girls want to study computer science" ("Nå vil jentene studere informatikk"), Nordlys, February 16, 2005.

"Technological research and education at UiTa" ("Teknologisk forskning og utdanning ved UiTa"),

Podcasts viser at du er en aktiv formidler innen ditt fagområde.

YouTube videoer viser at du er en aktiv formidler innen ditt fagområde.

"Will lead the international technology center" ("Skal lede internasjonalt teknologisenter"), the newspaper Tromsø, September 20, 2006.

"Establishes telemedicine SFI center in Tromsø" ("Etablerer telemedisinsk SFI-senter i Tromsø"), helseveven.no, September 21, 2006.

"Establishes telemedicine SFI center in Tromsø" ("Etablerer telemedisinsk SFI-senter i Tromsø"),

helseveven.no, September 21, 2006.

"Establishes telemedicine SFI center in Tromsø" ("Etablerer telemedisinsk SFI-senter i Tromsø"),

helseveven.no, September 21, 2006.

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helseveven.no, September 21, 2006.

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helseveven.no, September 21, 2006.

"Establishes telemedicine SFI center in Tromsø" ("Etablerer telemedisinsk SFI-senter i Tromsø"),

helseveven.no, September 21, 2006.

"Establishes telemedicine SFI center in Tromsø" ("Etablerer telemedisinsk SFI-senter i Tromsø"),

helseveven.no, September 21, 2006.

"Establishes telemedicine SFI center in Tromsø" ("Etablerer telemedisinsk SFI-senter i Tromsø"),

helseveven.no, September 21, 2006.

"Establishes telemedicine SFI center in Tromsø" ("Etablerer telemedisinsk SFI-senter i Tromsø"),

helseveven.no, September 21, 2006.

"Establishes telemedicine SFI center in Tromsø" ("Etablerer telemedisinsk SFI-senter i Tromsø"),

helseveven.no, September 21, 2006.

"Establishes telemedicine SFI center in Tromsø" ("Etablerer telemedisinsk SFI-senter i Tromsø"),

helseveven.no, September 21, 2006.

"Establishes telemedicine SFI center in Tromsø" ("Etablerer telemedisinsk SFI-senter i Tromsø"),

helseveven.no, September 21, 2006.

"Establishes telemedicine SFI center in Tromsø" ("Etablerer telemedisinsk SFI-senter i Tromsø"),

helseveven.no, September 21, 2006.

"Establishes telemedicine SFI center in Tromsø" ("Etablerer telemedisinsk SFI-senter i Tromsø"),

helseveven.no, September 21, 2006.

"Establishes telemedicine SFI center in Tromsø" ("Etablerer telemedisinsk SFI-senter i Tromsø"),

helseveven.no, September 21, 2006.

"Establishes telemedicine SFI center in Tromsø" ("Etablerer telemedisinsk SFI-senter i Tromsø"),

helseveven.no, September 21, 2006.

¹² <https://oms.dagbladet.no/artikler/2012/09/07/planlegger-nytt-stadium-i-helseteknologi/>

future of health services in the North, 19 September 2024. Organizer: UiT The Arctic University of Norway, Campus Harstad. (30 min)

"A digital health revolution in health technology. Possible consequences of the digital health revolution" ("En digital helse-revolusjon innen helsesteknologi. Mulige konsekvenser av den digitale helse-revolusjonen") Conference on the future of health services in the North, 19 September 2024. Organizer: UiT The Arctic University of Norway, Campus Harstad. (30 min)

"A digital health(re)volution – what does this mean for personalised medicine?" ("En digital helse(re)volusjon – hva betyr dette for personliggjort medisin?") Joint meeting: Personalised medicine – professional network in the Northern Norway Regional Health Authority, 4 October 2024 (online). (45 min) Organizer: NorPreM - The National Competence Network for Personalized Medicine.

Bidrag til artikler i nyhetsmedia viser at du er en aktiv formidler.

"A new life with technology for you with diabetes" ("Nytt liv med ny teknologi for deg med diabetes"), 25 min podcast in the podcast series "Observatoriet podcast" produced for UiT's 50 years anniversary 2018. Published 1.3.2018.⁸

YOUTUBE

"Motivation in mHealth, eHealth and telemedicine", 20 min presentation at under EHN 2016 – Prevention and motivation, published 21 December 2016. (My presentation starts after 27 min 40 sec)⁹

"Innovation in e-health: A digital health(re)volution" ("Innovasjon i e-helse: En digitale helse(re)volusjon"), 45 min lecture in the seminar series "Innovation Lecture on Friday" ("Innovasjonsforelesning på fredag"), 21 May 2021.¹⁰

"Technological applications and systems for people with chronic conditions and other health-related problems" ("Teknologiske applikasjoner og systemer for personer med kroniske lidelser og andre helse-relaterte problemer"), 45 min lecture in the seminar series "Innovation Lecture on Friday" ("Innovasjonsforelesning på fredag"), 18 March 2022.¹¹

19. NEWS MEDIA CONTRIBUTIONS (SELECTED)

"Critical situation in Computer Science" ("Kritisk på informatikk"), IT avisen. Tuesday, April 8, 1997.

"Active IT professor" ("Aktiv IT-professor"), IT avisen. Tuesday, May 20, 1997.

"PC is outdated – now comes PoCo" ("PC er avleggs – nå kommer PoCo"), Nordlys, September 25, 1997.

"IT education in the north – a sinking ship" ("IT-utdanning i nord – et synkende skip"), Nordlys, January 17, 1998.

"Many losers in the digital future" ("Mange tapere i den digitale framtida"), Nordlys, September 25, 1998.

"The future is here" ("Fremtiden er her"), Nordlys, September 26, 1998.

"Monsters on the internet" ("Folkeskikk på Internet"), avisen Nordlys, October 9, 1998.

"Fear of IT-Fornebu" ("Frykt for IT-Fornebu"), Nordlys, February 17, 1999.

"Will cooperate with IT-Fornebu" ("Vi samarbeider med IT-Fornebu"), Nordlys, August 4, 1999.

"Always monitored" ("Alltid overvåket"), Nordlys, October 4, 1999.

⁸ <https://uit.no/50-50-fonikere>

⁹ <https://www.youtube.com/watch?v=gkij0-1gsw4>

¹⁰ <https://www.youtube.com/watch?v=Rp-GjPMFWyg>

¹¹ <https://www.youtube.com/watch?v=b6zw0JdJd3o>

"Helse og teknologi for deg med diabetes" ("Nytt liv med ny teknologi for deg med diabetes"), 25 min podcast in the podcast series "Observatoriet podcast" produced for UiT's 50 years anniversary 2018. Published 1.3.2018.⁸

"Motivation in mHealth, eHealth and telemedicine", 20 min presentation at under EHN 2016 – Prevention and motivation, published 21 December 2016. (My presentation starts after 27 min 40 sec)⁹

"Innovation in e-health: A digital health(re)volution" ("Innovasjon i e-helse: En digitale helse(re)volusjon"), 45 min lecture in the seminar series "Innovation Lecture on Friday" ("Innovasjonsforelesning på fredag"), 21 May 2021.¹⁰

"Technological applications and systems for people with chronic conditions and other health-related problems" ("Teknologiske applikasjoner og systemer for personer med kroniske lidelser og andre helse-relaterte problemer"), 45 min lecture in the seminar series "Innovation Lecture on Friday" ("Innovasjonsforelesning på fredag"), 18 March 2022.¹¹

"Helse og teknologi for deg med diabetes" ("Nytt liv med ny teknologi for deg med diabetes"), 25 min podcast in the podcast series "Observatoriet podcast" produced for UiT's 50 years anniversary 2018. Published 1.3.2018.⁸

"Motivation in mHealth, eHealth and telemedicine", 20 min presentation at under EHN 2016 – Prevention and motivation, published 21 December 2016. (My presentation starts after 27 min 40 sec)⁹

"Innovation in e-health: A digital health(re)volution" ("Innovasjon i e-helse: En digitale helse(re)volusjon"), 45 min lecture in the seminar series "Innovation Lecture on Friday" ("Innovasjonsforelesning på fredag"), 21 May 2021.¹⁰

"Technological applications and systems for people with chronic conditions and other health-related problems" ("Teknologiske applikasjoner og systemer for personer med kroniske lidelser og andre helse-relaterte problemer"), 45 min lecture in the seminar series "Innovation Lecture on Friday" ("Innovasjonsforelesning på fredag"), 18 March 2022.¹¹

"Helse og teknologi for deg med diabetes" ("Nytt liv med ny teknologi for deg med diabetes"), 25 min podcast in the podcast series "Observatoriet podcast" produced for UiT's 50 years anniversary 2018. Published 1.3.2018.⁸

"Motivation in mHealth, eHealth and telemedicine", 20 min presentation at under EHN 2016 – Prevention and motivation, published 21 December 2016. (My presentation starts after 27 min 40 sec)⁹

"Innovation in e-health: A digital health(re)volution" ("Innovasjon i e-helse: En digitale helse(re)volusjon"), 45 min lecture in the seminar series "Innovation Lecture on Friday" ("Innovasjonsforelesning på fredag"), 21 May 2021.¹⁰

"Technological applications and systems for people with chronic conditions and other health-related problems" ("Teknologiske applikasjoner og systemer for personer med kroniske lidelser og andre helse-relaterte problemer"), 45 min lecture in the seminar series "Innovation Lecture on Friday" ("Innovasjonsforelesning på fredag"), 18 March 2022.¹¹

"Helse og teknologi for deg med diabetes" ("Nytt liv med ny teknologi for deg med diabetes"), 25 min podcast in the podcast series "Observatoriet podcast" produced for UiT's 50 years anniversary 2018. Published 1.3.2018.⁸

"Motivation in mHealth, eHealth and telemedicine", 20 min presentation at under EHN 2016 – Prevention and motivation, published 21 December 2016. (My presentation starts after 27 min 40 sec)⁹

"Innovation in e-health: A digital health(re)volution" ("Innovasjon i e-helse: En digitale helse(re)volusjon"), 45 min lecture in the seminar series "Innovation Lecture on Friday" ("Innovasjonsforelesning på fredag"), 21 May 2021.¹⁰

"Technological applications and systems for people with chronic conditions and other health-related problems" ("Teknologiske applikasjoner og systemer for personer med kroniske lidelser og andre helse-relaterte problemer"), 45 min lecture in the seminar series "Innovation Lecture on Friday" ("Innovasjonsforelesning på fredag"), 18 March 2022.¹¹

- "Unique study program opened in Helgeland", ("Unik studium åpnet på Helgeland"), nmsno.no, published 31 August 31, 2022.³⁵
- "Opening of newly developed master's programme in digital health services" ("Åpning av nyutviklet masterstudie i digitale helsetjenester"), helgelandsykehuset.no, September 12, 2022.³⁶
- "Professional day for the future - The development of this study is an example to follow", ("Fagdag for framtida - Utviklingen av dette studiet er et eksempel til etterfølge"), isachsen@per.no, January 12, 2023.³⁷
- "Professor Gunnar Hartvigsen is a new employee at Helgeland Hospital" ("Professor Gunnar Hartvigsen er nyansatt i Helgelandsykehuset"), helgelandsykehuset.no, May 9, 2023.³⁸
- "Kickoff for Helgeland Hospital Research School" ("Kickoff for Helgelandsykehusets forskerskole"), helgelandsykehuset.no, January 30, 2024.³⁹
- "Helgeland Hospital launches HELGA research school" ("Helgelandsykehuset lanserer forskerskolen HELGA"), helgelandsykehuset.no, January 30, 2024.⁴⁰
- "The committee will look at how technology affects the need for competence in working life" ("Utvalg skal se på hvordan teknologi påvirker kompetansebehovet i arbeidslivet"), akademikerne.no, February 2, 2024.⁴¹
- "The Government appoints seven new members to the Skills Needs Committee" ("Regjeringa utnevner sju nye medlemmer til Kompetansebehovsutvalget"), UNIFORMUM, February 2, 2024 (uniformum.no)⁴²
- "The Competence Needs Committee 2024-2025 will investigate how new technology affects the need for competence in the future" ("Kompetansebehovsutvalget 2024-2025 Skal undersøke korleis ny teknologi påvirkar kompetansebehovet i framtida"), regjeringen.no, February 2, 2024.⁴³
- "Helgeland Hospital launches research school" ("Helgelandsykehuset lanserer forskerskole"), dagensmedisin.no, February 13, 2024.⁴⁴
- "If we are to succeed in meeting the health challenges, more health informatics must be trained", ("Skal vi klare å møte helseutfordringene må det utdannes flere helseinformatikere"), Finnmarksløstten.no, April 4, 2025.⁴⁵ (Common to Finnmark Dagbladet, Finnmarken, Finnmarksposten, Hammerfestingen, Sør-Varanger avis, iFinnmark)
- "If Norway is to be able to meet the health challenges, more health informatics must be trained", ("Dersom Norge skal klare å møte helseutfordringene, må det utdannes flere helseinformatikere"), nordlys.no, April 4, 2025.⁴⁶

20. TUTORIALS

- "Health informatics", 3 hours' tutorial at Third Tromsø Telemedicine and eHealth Conference (TTeC2006) (11-13 June 2006, Tromsø, Norway).
- "Twenty years of Telemedicine in Tromsø", Sunday 10th June, 3 hours' tutorial at Fourth Tromsø Telemedicine and eHealth Conference (TTeC2007) (11-13 June 2007, Tromsø, Norway).
- "Telemedicine in (private) homes", Monday 11th June, 3 hours' tutorial at Fourth Tromsø Telemedicine and eHealth Conference (TTeC2007) (11-13 June 2007, Tromsø, Norway) (Together with Assoc. Prof. George Demiris, University of Washington, Seattle).
- "The Tromsø telemedicine experience - 20 years of Telemedicine in Tromsø, Norway", 3 hours' tutorial at Medinfo 2007 (20-24 August 2007, Brisbane, Australia).
- "Twenty Years of Telemedicine in Tromsø", 3 hours' tutorial at Tromsø Telemedicine and eHealth Conference (TTeC2008) (9-11 June 2008, Tromsø, Norway).

³⁵ <https://nmsno.no/unik-studium-aa-pa-helgeland/3169-1708>

³⁶ <https://www.helgelandsykehuset.no/nyheter/aa-pa-helgeland-nyutviklet-masterstudie-i-digitale-helsetjenester>

³⁷ <https://www.isachsen.no/nyheter/fagdag-for-framtida-utviklingen-av-dette-studiet-er-et-eksempel-til-etterfolge/>

³⁸ <https://www.helgelandsykehuset.no/nyheter/professor-gunnar-hartvigsen-er-nyansatt-i-helgelandsykehuset>

³⁹ <https://www.helgelandsykehuset.no/nyheter/forskerskolen-helga/>

⁴⁰ <https://www.akademikerne.no/utvalg-skal-se-pa-hvordan-teknologi-pa-virker-kompetansebehov-i-arbeidslivet>

⁴¹ <https://www.uniformum.no/noter/2024-regjeringa-utnevner-sju-ny-medlemmer-til-kompetansebehov>

⁴² <https://www.regjeringen.no/en/for-utvalgte/2024-02-02/utvalget-til-kompetansebehov-utvalget-til-kompetansebehov>

⁴³ <https://www.dagensmedisin.no/nyheter/helgelandsykehuset-lanserer-forskerskole-helga/>

⁴⁴ <https://www.finnmarksløstten.no/skal-vi-klare-a-mote-helseutfordringene-ma-det-utdannes-flere-helseinformatikere/>

⁴⁵ <https://www.nordlys.no/nyheter/norge-skal-klare-a-mote-helseutfordringene-ma-det-utdannes-flere-helseinformatikere/>

- "Implementation of telemedicine services in rural areas - lessons learned and future perspectives" 3,5 hours' tutorial at Medinfo 2013 (20-23.8.2013, Copenhagen, Denmark)
- "25 years with telemedicine in Northern Norway", 3 hours' tutorial at SHI 2015 (14-17.6.2015, Tromsø, Norway)
- "Lessons learned from 25 years with telemedicine in Northern Norway". 2,5 hours' tutorial at Innovation Days at Flensburg University of Applied Sciences (FUAS) (8-9 September 2016, Flensburg, Germany)
- "Challenges of Telemedicine and e-Health: The experience gained through 25 years of telemedicine in Northern Norway" ("Udfordringer med telemedisin og e-sundhed: Erfaringer opnaet gennem 25 år med telemedisin i Nordnorge"), 3 hours' tutorial for staff members at Deaconess Ingrid's Hospital (4 October 2016, Naak, Greenland)

21. SEMINARS (EXAMPLES)

Seminar on "Research methods" at Faculty of Computer Science, University of Twente, NL, Spring-1995.

Seminar on research and research communication, Hedmark University College (3 days, Spring-1996) and Finnmark University College (1 day, Fall-1996).

Seminars on research and research communication at NTNU (8 hours), 13-14 September 2001.

Lecture, B80-8301, "supervisor-student relationship", 5.11.2003. Level: PhD.

Lectures on research and research communication at NTNU (3 hours), 28 November 2003.

Lectures on the PhD day at Institut for elkræftteknikk, NTNU (2 hours), 26.2.2004.

Lecture on How to apply to a professor position (2 hours), The Mentor-program, UiT, 17 January 2005.

Lecture on How to apply to a senior lecturer position ("Søknad på førstelektorstilling") (2 hours), Bodo University College, 14 March 2005.

Invitasjon til å holde **tutorials** viser at du er blant de fremste innen ditt fagområde.

Current seminar for faculty members at Agder University College (Karriereseminar for ansatte i vitenskapelig stilling ved Høyskolen i Østfold), 15-16 February 2012. My lectures: "Good working conditions for research" ("Et godt (arbeids-) klima for forskning"); "What characterizes a good research group?" ("Hva karakteriserer en god forskningsgruppe?"); "Group work: State 10 factors for research promotion" ("Gruppearbeid: forskningsfremmende faktorer. Angi 10 faktorer som fremmer god forskning ved Høg og prioriter disse"); "Docent or professor? Two different career paths" ("Docent eller professor? To ulike karrierestiger"); "Twelve advices towards a professorship" ("12 råd på veien mot professorat"); "How to apply for a full professor or docent position?" ("Søknad på professorat eller docentur"); "The good grant application" ("Den gode forskningsprosjektsøknaden"); "How to establish a research consortium?" ("Hvordan etablere et konsortium?"); "The importance of networking and international collaboration" ("Viktigheten av nettverksrelasjoner og internasjonalt samarbeid").

Career seminar for faculty members at University of Agder (Karriereseminar for ansatte i vitenskapelig stilling ved Universitet i Agder), 11-12 April 2013. My lectures: "Good working conditions for research" ("Et godt (arbeids-) klima for forskning. Hva karakteriserer en god forskningsgruppe?") (45 min); "Group work: Factors promoting research" ("Gruppearbeid: forskningsfremmende faktorer (I). Angi 10 faktorer som fremmer god forskning ved UIA og prioriter disse") (60 min); "Docent or professor? Two different career paths" ("Docent eller professor? To ulike karrierestiger") (60 min); "Twelve advices towards a professorship" ("12

Invitasjon til, eller eget initiativ til, å holde seminarer viser at du er en aktiv formidler innen ditt fagområde.

25 hr med telemedicin i Nordhorge"), 3 hours' tutorial for staff members at Dronning Ingrid's Hospital (4 October 2016, Nuuk, Greenland)

21. SEMINARS (EXAMPLES)

Seminar on "Research methods" at Faculty of Computer Science, University of Twente, NL, Spring-1995.

Seminar on research and research communication, Hedmark University College (3 days, Spring-1996) and Finnmark University College (1 day, Fall-1996).

Seminars on research and research communication at NTNU (8 hours), 13-14 September 2001.
Lecture, BIO-8301, "supervisor-student relationship", 5.11.2003. Level: PhD.

Lectures on research and research communication at NTNU (3 hours), 28 November 2003

Lectures on the PhD day at Institutt for elkraftteknikk, NTNU (2 hours), 26.2.2004

Lecture on How to apply to a professor position (2 hours), The Mentor-program, UiT, 17 January 2005.
Lecture on How to apply to a senior lecturer position ("Søknad på førstelektorstilling") (2 hours), Boda

University College, 14 March 2005.

Day seminar on "How to master a PhD-program", Technical University of Munich, 28 November 2006.

Day seminar on "How to write a scientific paper", Planteforsk, Ås, 7 November 2007.

Day seminar for female assoc. professors who want to qualify for a full professorship, University of Oslo, 6 October 2008, Oslo, Norway. (My lectures: "How to become a professor?", "Twelve advises on your way towards the professorship" ((2 hours); "The good application – requirements, hints and suggestions" (50 min))

Seminar in the Norwegian Orthopedic Association (Norsk ortopedisk forening), Norwegian MD Association (Det norske lægeforsknings: "How to support new professor talents" (Hvordan pushe professorstalent?), pre-histomate-symposium, Tuesday 20 October 2009, Radisson SAS Plaza, Oslo, Norway. My lectures: "How to become full professor?" ("Hvordan bli professor (før du er 40)?"), "Twelve advices towards a professorship" ("Tolv (gode) råd på veien mot professoratet"), "The good application" ("Det gode søknaden - krav, tips og råd").

Career seminar for faculty members at Gjøvik University College (Karriereseminar for ansatte i vitenskapelig stilling ved Høgskolen i Gjøvik), 15-16 February 2012. My lectures: "Good working conditions for research" ("Et godt (arbeids-) klima for forskning"); "What characterizes a good research group?" ("Hva karakteriserer en god forskningsgruppe?"); "Group work: State

10 factors for research promotion" ("Gruppenarbejd: forskningsfremmende faktorer. Angs 10 faktorer som fremmer god forskning ved HGU og prioriter disse"); "Docent or professor? Two different career paths" ("Docent eller professor? To ulige karrierestier"); "Twelve advices towards a professorship" ("12 råd på vejen mod professorat"); "How to apply for a full professor or docent position?" ("Søknad på professorat eller docentur"); "The good grant application" ("Den gode forskningsprojektansøgning"); "How to establish a research consortium?" ("Hvordan etablere et konsortium?"); "The importance of networking and international

Carver seminar for faculty members at University of Ågder (Karrereseminar for ansatte i vitenskapelig stilling ved Universitet i Ågder), 11-12 April 2013. My lectures: "Good working conditions for research" ("Et godt (arbeids-) klima for forskning. Hva karakteriserer en god forskningsgruppe?") (45 min); "Group work: Factors promoting research" ("Gruppearbeid: forskningsfremmende faktorer II. Ångi 10 faktorer som fremmer god forskning ved UiA og prioriter disse") (60 min); "Docent or professor? Two different career paths" ("Docent eller professor? To ulike karrierestier") (60 min); "Twelve advice towards a professorship" ("12

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Keywords: "Institutional Entrepreneurship," "My business," "Research in entrepreneurship and societal influences," "Business Strategy," and "Entrepreneurship in California (USA)," "How to start a business with no money," 10–1 April 2001, University of Technology and Design, Singapore and Singapore, Singapore.

Abstract: "How is entrepreneurship generally and what is societal leading?" "How can research be able to contribute to entrepreneurship?" My theory: "How to establish a successful business, a network, a personal business" ("Establishing an Entrepreneurial & Entrepreneurship network"), Singapore, 1998, Unesco, Malaysia 30/May 2001.

Abstracting, Indexing, and Publishing: The article was abstracted and indexed by PsycINFO, PsycLIT, and PsycARTICLES, and published by the American Psychological Association.

[illegible][illegible]

Year	Very satisfied (%)	Not very satisfied (%)
2009	65	35
2010	55	45
2011	65	35
2012	55	45
2013	65	35
2014	60	40

Sebastian is "The Digital Medicine" research computer science and technology, co-inventor medicine" (PhD in CS), School of Computer Engineering, University of Seville, Seville, Spain, Thursday 21 June 2018.

Sebastian is "Statistics research in the Medical Informatics & Telemedicine group (IMIT) of the Computer Science, University of Seville. The Seville University of Seville" (PhD in CS), School of Computer Engineering, University of Seville, Seville, Spain, Thursday 21 June 2018.

Sebastian is "App@hospitalschool" a CS "How to apply to a professor and future partner" (PhD in CS), School of Computer Engineering, University of Seville, Seville, Spain, Thursday 21 June 2018.

Sebastian is "App@hospitalschool" a CS "How to apply to a professor and future partner" (PhD in CS), School of Computer Engineering, University of Seville, Seville, Spain, Thursday 21 June 2018.

[illegible]

Lectures on "Diabetes self-management using of health and health technology: Maximizing impact with diabetes to follow up their treatment", Medical School, Charles University, Prague, Republic, Czechia, December 4, 2019 (pdf can be found)

Departament de Seguretat Informàtica, Universitat Autònoma de Madrid, Campus de Cantoblanco, Madrid, Spain. Tuesday 10 February 2020 (79 min.)

Lecture on "The great application" / On one side introduces ideas, tips and tools, information security of professor on Internet and IoT, Thursday 14 May 2020 (40 min)

Lecture on "A digital health revolution" / The digital health revolution, Digital Innovation Institute for the future of eHealth/eHealth, Co-ordinator: Agnès, Wednesday May 1, 2020 (40 min lecture)

Session in eHealth/eHealth at UTM "How to apply for eHealth/eHealth at UTM and other New

Lectures on "The digital health (e-protection and personal) consequences for people with diabetes: Medical history, Charles University, Prague, Czech Republic, Vrnstsdorf, 9 December 2018
<https://www.researchgate.net/publication/330511116>

Session (online) for PhD students and more: problems-participating in the IIRN project "From no professor" on 10/12/18. Lecture: What are the scientific requirements to become a professor? (Witten), Transilvania, 4 February 2021. Organizer: The IIRN project, 10/12/18.

Lectures on "There is become a professor before you have PhD" in the conference "Witten Salazar"

Lectures on "Genetics Inherited from being a mother the female associate professor", WGL workshop during the (10:00-11:30) open meeting, Madrid, Spain, October 17-18, 2015.

a) *What is the purpose of the text?* (100 words) (10 points)
 b) *What is the main idea of the text?* (100 words) (10 points)
 c) *What is the author's attitude towards the topic?* (100 words) (10 points)
 d) *What is the structure of the text?* (100 words) (10 points)
 e) *What is the style of the text?* (100 words) (10 points)

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Invited lecture: "Statistics research in the British Informatics & Technology group (1988-2014)" Dept. of Computer Science, University of Toronto. "The Centre for Innovation & Networks" and "Institute of Information and Communications Technology (ICTN)" University of Tsukuba, Institute of ICT, Stockholm 28 February 2015

Invited talk: "What every PhD student should know about privacy" Institute of Information and Communications Technology (ICTN), University of Tsukuba, Tokyo 27-28 Feb 2015, ITC-15 (ICTN) and ITC-16 (ICTN) and ITC-17 and ITC-18, London, "Data Analytics and Security & Privacy" 27-28 Feb 2015, London

[illegible]

Year	Very satisfied (%)
1993	65
1994	85
1995	75
1996	70
1997	65
1998	60
1999	55
2000	50
2001	45
2002	40
2003	35
2004	30
2005	25
2006	20
2007	15
2008	10
2009	15
2010	20
2011	25
2012	30
2013	35
2014	40
2015	45
2016	50
2017	25

Abstracts: *Journal of International Studies in Universities* (Northampton), Northampton Centre, Northampton, internet, available, 1999, Tuesday December 19, 002 (10 min).

What is happening in E-health? (Workshop on E-healthcare), Open Access (2 x 4 min), 23.12.2002, University of Exeter, campus Internet, Norway, 22/12/2002.

Seminars on: "How to succeed in a Norwegian University" Academic conference, Institute for the e-learning/teaching, University of Agder, My lecture: "Working a career in academia No. 20 (min) and "Working a career in academia: How to succeed in a Norwegian University (min), Redford attended, 14 June 2002 (10 min lecture).

Seminars on: "From local research groups to international network of researchers: How to establish international cooperation in research?" Academic conference, Institut for e-learning.

Lecture 10: 'What is science a profession or a game?' Some advice towards your profession or the 'game of science', adapting to the changing position of science in society, the limits of science and the importance of science in society. Introduction of a VCSE (Value-Based Science Education) module. 14 September 2022 (9:30-10:30am, Lecture - 30 min discussion)

Lecturer in Technology for self management of diabetes*, Medical faculty Charles University Prague, Czech Republic, November 28, 2022 (all notes via Microsoft Teams)

Lecturer in Technology for self management of diabetes*

*Lectures:

- 1. Selfcare: Highgate's model of self-care – what do we want?, January 6
- 2. "Programme": getting the structure thing you can do on a smartphone? February 15
- 3. What every researcher should know about research? March 15, 2024.
- 4. How to write a research paper, Annotated dissertation at scientific society, April 9.

[illegible]

11. References
 Anzaki Engineering Applications of Artificial Intelligence, Methods of Information in Model
 Journal on Information Technology in HealthCare, Journal of Medical Systems, 1994
 Information and Decision Making, Behavior & Information Technology, International
 Journal of Medical Information.

[illegible]

December 2017, Issue, Health Review: Symposium of worldwide for our aging society, 1

Lecture on "Lessons Learned from 30 years of Telemedicine in Northern Norway", Health Informatics Centre, Karolinska Institutet, Stockholm, Sweden, Tuesday December 14, 2021 (120 min).
 "What is happening in E-health" ("Hva skjer på E-helsefronten"), Open lecture (2 x 45 min), 23.3.2022, University of Agder, campus Grimstad, Norway, 23 March 2022.
 Seminar on "How to succeed in a Norwegian University", Institute conference, Institutt for helse- og sykepleievitenskap, Universitetet i Agder. My lecture: "Having a career in academia Norway" (40 min) and "Having a career in academia: How to succeed in a Norwegian University" (60 min), Rosfjord strandhotell, 7-8 June 2022. (100 min. lectures)
 Seminar on "From local research group to international network of researchers: How to establish international cooperation in research?", Institute conference, Institutt for helse- og

Deltakelse i fagfellevirksomhet
 viser at du er ansett for å være
 en habil fagperson innen ditt
 kompetanseområde og at du er
 villig til å ta del i fellesskapets
 forpliktelser.

9. What is required to get a master's degree?, January 14, 2025.
10. What is required to get a PhD? February 25, 2025.
11. Rules for using ChatGPT and other large language models (LLMs) in research, March 25, 2025.

22. REFERENCE

Journals: Engineering Applications of Artificial Intelligence, Methods of Information in Medicine, The Journal on Information Technology in Healthcare, Journal of Medical Systems, BMC Medical Informatics and Decision Making, Behavior & Information Technology, International Journal for Medical Informatics.

Conferences: International Joint Conference on Neural Networks (IJCNN2002) (May 12-17, 2002, Honolulu, HI); Scandinavian Conference of Artificial Intelligence, 2003 (Bergen, Norway); Medinfo 2007 (August 2007, Brisbane, Australia); MIE2009, (Sept 2009, Sarajevo); Medinfo 2010 (Sept., 2010, Cape Town); MIE2011 (August 2011, Oslo, Norge); MIE2012 (August 2012, Pisa, Italy); Medinfo 2013 (August 2013, Copenhagen, Denmark); MIE2014 (August 2014, Istanbul, Turkey); Medinfo 2015 (August 2015, Sao Paulo, Brazil); ETC 2016 (November 2016, Oslo, Norway); Medinfo 2017 (21-25 August 2017, Xiamen, China); ICIS 2017 (10-13 December 2017, Seoul, South Korea); Symposium of telehealth for our aging society, Post-

conference to South Australian "Ageing Well Revolution" conference (22-23 November 2017, Adelaide, Australia)

Research Councils: Academy of Finland, 2006; Singapore National Research Foundation, 2008; ZonMw (The Netherlands Organisation for Health Research and Development), Nederland, 2009; NWO NL, 2010; TrygFonden, DK, 2011, 2012; Danish Council for Independent Research, DK, 2014; National Research Foundation (NRF), South Africa, 2014; Research Council UK, MRC 2016.

Research Councils – expert panels: Academy of Finland – Biomedical Engineering Review Panel, December 2013 - January 2014. Final meeting in Helsinki, Finland, 3.2.2014.
 TEKES, Finland SHOK program panel review, November 2014. Final meeting in Helsinki, Finland, 18.11.2014.
 VINNOVA, Sweden – expert panel: VINNOVA's new Competence Centre program, Call 1 (10 applicants), January – March 2016.
 VINNOVA, Sweden – expert panel: VINNOVA's new Competence Centre program, Call 2 (25 applicants), January – May 2016.
 Academy of Finland – Human Factors and Technology Design Review Panel, December 2019 - January 2020. Final meeting in Helsinki, Finland, 20-22.1.2020.
 Horizon 2020-IMI2 (innovative medicines initiative) international evaluation panel, March – May 2020. Final meeting (online due to Covid-19) 5.5.2020.
 Horizon 2020 (Health SCI-BHC-06-2020), international evaluation panel, august – september 2020. Final meetings (online due to Covid-19) 31.8-4.9.2020.

23. PROGRAM COMMITTEES

Næringslivsdagene i Nord-Norge, Spring-98.
 TTcC 2006 (Tromsø Telemedicine and eHealth Conference), (11-13 June 2006, Tromsø, Norway)
 Scandinavian Conference on Health Informatics (SHI2006), (25-26 August 2006, Aalborg, Denmark)
 Scandinavian Conference on Health Informatics (SHI2007), (1-3 October 2007, Kalmar, Sweden)
 Medical Informatics Europe 2008 (MIE2008), (25-28 May 2008, Gothenburg, Sweden)
 TTcC 2008 (Tromsø Telemedicine and eHealth Conference), (9-11 June 2008, Tromsø, Norway)
 Scandinavian Conference on Health Informatics (SHI2008), (26-28 August 2008, Kalmar, Sweden)
 6th international workshop on Wearable Micro and Nanosystems for Personalised Health (pHealth 2009), (24-26 June 2009, Oslo, Norway)
 Scandinavian Conference on Health Informatics (SHI2009), (25-27 August 2009, Grimstad, Norway)
 Scandinavian Conference on Health Informatics (SHI2010), (22-24 August 2010, Copenhagen, Denmark)
 Scandinavian Conference on Health Informatics (SHI2011), (30 August 2011, Oslo, Norway)
 Scandinavian Conference on Health Informatics (SHI2012), (2-3 October 2012, Linköping, Sweden)
 Scandinavian Conference on Health Informatics (SHI2013), (20 August 2013, Copenhagen, Denmark)
 2nd European Workshop on Practical Aspects of Health Informatics (PAHI 2014), (19-20 May 2014, Trondheim, Norway)
 Scandinavian Conference on Health Informatics (SHI2014), (21-22 August 2014, Grimstad, Norway)
 Scandinavian Conference on Health Informatics (SHI2015), (15-17 Juni 2015, Tromsø, Norge) (Co-chair of SPC, chair of LOC)
 Scandinavian Conference on Health Informatics (SHI2016), (6-7 August 2016, Gothenburg, Sweden)
 The 5th International Conference on Global Telehealth Conference 2016 (GT2016), (31 October - 3 November 2016, Auckland, New Zealand)
 European Telemedicine Conference 2016 (ETC 2016) (15-16 November 2016, Oslo, Norway)
 Scandinavian Conference on Health Informatics (SHI2017), (28-30 August 2017, Kristiansund, Norway)
 EHIN 2017 (E-health in Norway) (31.10-01.11.2017, Oslo, Norway)
 Symposium of telehealth for our aging society, Post-conference to South Australian "Ageing Well Revolution" conference (22-23 November 2017, Adelaide, Australia)

Deltakelse i programkomiteer
viser at du er ansett for å være
en habil fagperson innen ditt
kompetanseområde og at du er
villig til å ta del i fellesskapets
forpliktelser.

May 2020. Final meeting (online due to Covid-19) 5.5.2020.
Horizon 2020 (Health SC1-BHC-06-2020), international evaluation panel, august-september
2020. Final meetings (online due to Covid-19) 31.8-4.9.2020.

23. PROGRAM COMMITTEES

Næringslivsdagene i Nord-Norge, Spring-98.
TTEC 2006 (Tromsø Telemedicine and eHealth Conference), (11-13 June 2006, Tromsø, Norway)
Scandinavian Conference on Health Informatics (SHI2006), (25-26 August 2006, Aalborg, Denmark)
Scandinavian Conference on Health Informatics (SHI2007), (1-3 October 2007, Kalmar, Sweden)
Medical Informatics Europe 2008 (MIE2008), (25-28 May 2008, Gothenburg, Sweden)
TTEC 2008 (Tromsø Telemedicine and eHealth Conference), (9-11 June 2008, Tromsø, Norway)
Scandinavian Conference on Health Informatics (SHI2008), (26-28 August 2008, Kalmar, Sweden)
6th international workshop on Wearable Micro and Nanosystems for Personalised Health (pHealth
2009), (24-26 June 2009, Oslo, Norway)
Scandinavian Conference on Health Informatics (SHI2009), (25-27 August 2009, Grimstad, Norway)
Scandinavian Conference on Health Informatics (SHI2010), (22-24 August 2010, Copenhagen,
Denmark)
Scandinavian Conference on Health Informatics (SHI2011), (30 August 2011, Oslo, Norway)
Scandinavian Conference on Health Informatics (SHI2012), (2-3 October 2012, Linköping, Sweden)
Scandinavian Conference on Health Informatics (SHI2013), (20 August 2013, Copenhagen, Denmark)
2nd European Workshop on Practical Aspects of Health Informatics (PAIH 2014), (19-20 May 2014,
Trondheim, Norway)
Scandinavian Conference on Health Informatics (SHI2014), (21-22 August 2014, Grimstad, Norway)
Scandinavian Conference on Health Informatics (SHI2015), (15-17 June 2015, Tromsø, Norge) (Co-
chair of SPC, chair of LOC)
Scandinavian Conference on Health Informatics (SHI2016), (6-7 August 2016, Gothenburg, Sweden)
The 5th International Conference on Global Telehealth Conference 2016 (GT2016), (31 October - 3
November 2016, Auckland, New Zealand)
European Telemedicine Conference 2016 (ETC 2016) (15-16 November 2016, Oslo, Norway)
Scandinavian Conference on Health Informatics (SHI2017), (28-30 August 2017, Kristiansund,
Norway)
EBN 2017 (E-health in Norway) (31.10-01.11.2017, Oslo, Norway)
Symposium of telehealth for our aging society, Post-conference to South Australian "Ageing Well
Revolution" conference (22-23 November 2017, Adelaide, Australia)

Scandinavian Conference on Health Informatics 2018 (SHI2018), (28-29 August 2018, Aalborg,
Denmark)
Scandinavian Conference on Health Informatics 2022 (SHI2022), (22-24 August 2022, Tromsø,
Norway)

24. TEACHING⁵¹

Dept. of Computer Science, Hedmark College:
"User Interface Design", Credit: 6 ECTS. Level: 2-3rd yr. (Fall-1996)

Bodo Graduate School of Business, Bodo College:
"Management Information Systems", Credits: 6 ECTS. Level: 4th year. (Fall-1988)
"Visual Programming", Credit: 2. Level: 2-3rd yr. (Spring-1998)
11121 "Project course", Credit: 6+12 ECTS. Level: 2-3rd yr. (Fall-1998 - Spring-1999, Fall-
1999 - Spring-2000, Fall-2000 - Spring-2001, Fall-2001 - Spring-2002)

Dept. of Comp. Science, Univ. of Tromsø:
Computer science program:
BS-level:
D103 "Computers in school", Credits: 15 ECTS. Level: Further education for junior college
teachers. (Fall-1989, 1992)
D102 "Introduction to Computer science", Credits: 15 ECTS. Level: 1st year. (Spring-1990)
D110 "Programming I", Credits: 15 ECTS. Level: 1st year. (ONLY coordinator.) (Fall-1990)
D211 "Software engineering", Credits: 15 ECTS. Level: 3rd year. (Spring-1991, 1992, 1993,
1994, 1999, 2001, 2002, 2003)
INF-2900 "Software engineering", Credits: 10 ECTS. Level: 3rd year. (Spring-2004, Spring-
2005, Spring-2009, Spring-2019, Spring-2020, Spring-2021)
D240 "Operating systems", Credits: 15 ECTS. Level: 2nd year. (Fall-1991, 1992, 1993)

MS-level:
D370 "Computer graphics", Credits: 15 ECTS. Level: Graduate. (Fall-1990)
D340 "Distributed Operating System", Credit: 15 ECTS. Level: 4th year. (Fall-1995, 1996,
1997)
INF-3770 "Computer Science in Health Technology", Credit: 10 ECTS. Level: 4th year. (Fall-
2024)

PhD-level:
"Readings in Multimedia", Credits: 15 ECTS. Level: PhD. (Fall-1993)
D443S "Seminar on Research", Credit: 3 ECTS. Level: PhD. (Spring-1996, 1997, 1998)
"Readings in DAI", Credit: 15 ECTS. Level: PhD. (Spring-1997)
INF-8790 "Advanced topics in medical informatics", Credit: 10 ECTS. Level: PhD. (Fall-2008)
INF-8810 "PhD Special Curriculum in Computer Science", Credit: 3 ECTS. Level: PhD. (Fall-
2009, Spring-2017)
INF-8815 "Advanced topics in medical informatics", Credit: 15 ECTS. Level: PhD. (Spring-
2013)
INF-8805 "Philosophy and ethics within the academic discipline of computer science", 5 ECTS.
Level: PhD. (Fall-2013)
INF-3805 "PhD Special Curriculum in Computer Science" (Topic: Natural Language
Processing), 5 ECTS. Level: PhD. (Fall-2015)
INF-8810 "PhD Special Curriculum in Computer Science" (Topic: The role of game
mechanics/games in indoor cycling exergames), 10 ECTS. Level: PhD. (Spring-2017)

⁵¹ 1 year full-time studies = 60 ECTS (European Credit Transfer and Accumulation System)

Undervisningserfaring er et av kravene til toppstillingskompetanse ved universitetene.

Norway)

24. TEACHING⁵¹

Dept. of Computer Science, Hedmark College:
"User Interface Design". Credit: 6 ECTS. Level: 2-3rd yr. (Fall-1996)

Bode Graduate School of Business, Bode College:

"Management Information Systems". Credits: 6 ECTS. Level: 4th year. (Fall-1988)

"Visual Programming". Credit: 2. Level: 2-3rd yr. (Spring-1998)

11121 "Project course". Credit: 6+12 ECTS. Level: 2-3rd yr. (Fall-1998 - Spring-1999, Fall-1999 - Spring-2000, Fall-2000 - Spring-2001, Fall-2001 - Spring-2002)

Dept. of Comp. Science, Univ. of Tromsø:

Computer Science program:

BSc-level:

D103 "Computers in school". Credits: 15 ECTS. Level: Further education for junior college teachers. (Fall-1989, 1992)

D102 "Introduction to Computer science". Credits: 15 ECTS. Level: 1st year. (Spring-1990)

D110 "Programming I". Credits: 15 ECTS. Level: 1st year. (ONLY coordinator.) (Fall-1990)

D211 "Software engineering". Credits: 15 ECTS. Level: 3rd year. (Spring-1991, 1992, 1993, 1994, 1999, 2001, 2002, 2003)

INF-2900 "Software engineering". Credits: 10 ECTS. Level: 3rd year. (Spring-2004, Spring-2005, Spring-2009, Spring-2019, Spring-2020, Spring-2021)

D240 "Operating systems". Credits: 15 ECTS. Level: 2nd year. (Fall-1991, 1992, 1993)

MSc-level:

D370 "Computer graphics". Credits: 15 ECTS. Level: Graduate. (Fall-1990)

D340 "Distributed Operating System". Credit: 15 ECTS. Level: 4th year. (Fall-1995, 1996, 1997)

INF-3770 "Computer Science in Health Technology". Credit: 10 ECTS. Level: 4th year. (Fall-2024)

PhD-level:

"Readings in Multimedia." Credits: 15 ECTS. Level: PhD. (Fall-1993)

D443S "Seminar on Research". Credit: 3 ECTS. Level: PhD. (Spring-1996, 1997, 1998)

"Readings in DAI". Credit: 15 ECTS. Level: PhD. (Spring-1997)

INF-8790 "Advanced topics in medical informatics". Credit: 10 ECTS. Level: PhD. (Fall-2008)

INF-8810 "PhD Special Curriculum in Computer Science". Credit: 3 ECTS. Level: PhD. (Fall-2009, Spring-2017)

INF-8815 "Advanced topics in medical informatics". Credit: 15 ECTS. Level: PhD. (Spring-2013)

INF-8805 "Philosophy and ethics within the academic discipline of computer science". 5 ECTS. Level: PhD. (Fall-2013)

INF-3805 "PhD Special Curriculum in Computer Science" (Topic: Natural Language Processing). 5 ECTS. Level: PhD. (Fall-2015)

INF-8810 "PhD Special Curriculum in Computer Science" (Topic: The role of game mechanics/games in indoor cycling exergames). 10 ECTS. Level: PhD. (Spring-2017)

⁵¹ 1 year full-time studies = 60 ECTS (European Credit Transfer and Accumulation System)

PROFESSOR GUNNAR HARTVIGSEN

APRIL 2025

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INF-8802 "PhD Special Curriculum in Computer Science" (Topic: Literature review and state-of-the-art survey of self-monitoring medical sensors and technology that can detect change in an individual's health). Credit: 2 ECTS. Level: PhD. (Fall-2018)

INF-8815 "Advanced topics in medical informatics". Credit: 15 ECTS. Level: PhD. (Fall-2020)

INF-8810 "PhD Special Curriculum in Computer Science" (Topic: Advanced principles of health technology systems and applications, including mobile health systems and applications). 10 ECTS. Level: PhD. (Fall-2020)

Science program (PhD level):

MNF400 "Seminar on Research". Credit: 6 ECTS. Level: PhD. (Spring-1999, Fall-2000, Fall-2002)

MNF-8000 "Communicating Research". Credit: 6 ECTS. Level: PhD. (Fall-2004, Fall-2006, Spring-2008, Spring-2010, Spring-2011)

International master in telemedicine and eHealth, Univ. of Tromsø:

INF-3790 "Electronic Health Records". Credit: 5 ECTS. Level: Master/PhD. (Fall-2003, Fall-2004)

INF-3791 "Telemedicine and e-health systems". Credit: 10 ECTS. Level: Master/PhD. Spring-2004, Spring-2006, Spring-2007, Fall-2012, Fall-2013)

INF-3792 "Medical informatics". Credit: 10 ECTS. Level: Master/PhD. (Spring-2004, Spring-2005, Fall-2005, Fall-2006, Fall-2007, Fall-2008, Fall-2009, Fall-2010, Fall-2012, Fall-2013, Fall-2014; Fall-2015, Fall-2016)

INF-3793 "Medical informatics 2". Credit: 10 ECTS. Level: Master/PhD. (Fall-2006)

INF-3795 "Advance course in telemedicine and e-health systems". Credit: 10 ECTS. Level: Master/PhD. (Fall-2006, Spring-2013, Spring-2014, Spring-2015, Spring-2016, Spring-2017)

INF-3993 "Individual Special Curriculum in Computer Science" (Topic: Image-guided surgery). Credit: 10 ECTS. Level: Master. (Spring-2014)

INF-3993 "Individual Special Curriculum in Computer Science" (Topic: IMIA Yearbook 2011-2013). Credit: 10 ECTS. Level: Master. (Spring-2014)

INF-3993 "Individual Special Curriculum - Master's Degree". (Topic: "Functionality of a non-medical device for physical activity") Credit: 10 ECTS. Level: Master. (Spring-2015)

INF-3993 "Individual Special Curriculum - Master's Degree". (Topic: "A Framework in Cluster Detection in EDMON"). Credit: 10 ECTS. Level: Master. (Spring-2018)

Experience-based master in digital health care, Univ. of Tromsø:

INF-3801 "Health informatics". Credit: 10 ECTS. Level: Master. (Fall-2022)

INF-3802 "E-health and Digital telehomecare". Credit: 10 ECTS. Level: Master. (Fall-2022 - Spring-2023) (Two-semester course)

INF-3804 "Advanced telemedicine and e-health systems". Credit: 10 ECTS. Level: Master. (Fall-2023)

INF-3805 "Research seminar about digital homecare services". Credit: 10 ECTS. Level: Master. (Fall-2023-Spring-2024) (Two-semester course)

Further education (BSc level):

INF-6002 "Introduction to health technology" ("Grunnleggende innføring i helse teknologi"), 34 hours with lectures. Credit: 0 ECTS. Level: BSc. (Fall-2020)

Dept. of Health and Nursing Science, Univ. of Agder:

PhD-level:

HIEL609 "Research in eHealth and Health Information Systems". Credit: 5 ECTS. Level: PhD. Spring-2019, Spring-2021.

I min norske
akademiske CV så
har jeg noen flere
underpunkter

Institute of Design, Illinois Institute of Technology (Role: Workshop organizer and co-leader) (Committee: G.Hartvigsen, K.Sato)

Workshop on wireless communication in eHealth (Tromsø, 21. februar, 2017). Organizer: Dept. of Computer Science, University of Tromsø – The Arctic University of Norway; Norwegian Centre for eHealth Research; Institute of Design, Illinois Institute of Technology; Fresnel Institute, Ecole Centrale Marseille, France. (Role: Workshop initiator and co-organizer) (Committee: G.Hartvigsen, K.Sato, A.Khalighi)

Workshop 690 "Preparing the Next Generation for Information and Communications Technology enabled Healthcare" (MEDINFO 2017, Hangzhou, China, 21-25. august, 2017) Mitt innlegg: "How do We Plan for the Digital Health Revolution?" (20 min.)

Workshop, EHEN 2017 Preconference/Workshop "The Digital Health Revolution is happening now: How will it affect Norwegian healthcare?", EHEN 2017 (Oslo, 30. oktober, 2017). Min presentasjon: "The digital health revolution is happening now" (80 min.) (Role: Workshop initiator and organizer)

Workshop on living lab / living in a lab / living with a lab (Tromsø, 11-12. desember, 2018). Organizer: Dept. of Computer Science, University of Tromsø – The Arctic University of Norway; Norwegian Centre for eHealth Research; Faculty of Health and Sport Sciences, University of Agder; Institut National Universitaire Champollion, France. (Role: Workshop initiator and organizer) (Committee: G.Hartvigsen, E.Azand, H.Pingaud)

Workshop on machine learning, reinforcement learning and statistical pattern recognition in experimental eHealth and medical computer science research (Tromsø, 11. mars, 2019). Organizer: Dept. of Computer Science, University of Tromsø – The Arctic University of Norway; Norwegian Centre for eHealth Research; Institute of Design, Illinois Institute of Technology; Tech-

Internasjonale PhD konsortium viser at du holder et høyt faglig nivå innen ditt fagområde.

for people with ED" (Role: Workshop initiator and organizer) (Committee: G.Hartvigsen, A.Azke, L.Jaccheri)

Workshop at the 31st Medical Informatics Europe Conference (MIE 2021), (Digital) 29-31.5.2021: "Workshop on motivation: What motivates patients with MCDs to follow up their treatment?" (8 minute's introduction). Rolle: Initiativtaker og organisator.

PHD CONSORTIUM (INTERNASJONALE)

PhD Consortium under Scandinavian Health Informatics Conference 2017 (SHI2017), heldags (09:00-17:00) ph.d. konsortium (Kristiansand, 28. august, 2017). Min rolle: moderrangør, kommentator og foredragsholder.

SEMINARLEDELSE

"Etliske vervalg i akademien", 3 timers debattmøte med nasjonale foredragsholdere (UiT, Tromsø, 30. mai, 2016)

DOMMERPANEL

Medlem av dommerpanel, "E-sundhedsobservatoriet – online E-sundhedsbælte om innovative e-sundhedsløsninger", 8. desember, 2020. Arrangør: E-sundhedsobservatoriet, Danmark.¹¹

14. TUTORIALS

TUTORIALS (INTERNASJONALE)

"Health information", 3 times tutorial under Thinf Tromsø Telemedicine and eHealth Conference

Deltakelse i internasjonale dommerpanel (faglig) konsortium viser at du holder et høyt faglig nivå innen ditt fagområde.

"Udfordringer med telemedisin og e-sundhed: Erfaringer opstet gennem 25 år med telemedisin i Norge", 3 timers tutorial for ansatte ved Dronning Ingrid's Hospital, 4. oktober, 2016 (Nauk, Greenland)

15. MEDIABIDRAG OG PODCASTS

MEDIA (NOEN UTVALGTE)

"Kritisk på informanikk", IT avisen, Tirsdag 8. april, 1997.
 "Aktiv IT-professor", IT avisen, Tirsdag 20. mai, 1997.
 "PC er avleggs – nå kommer PoCo", avisen Nordlys, 25. september, 1997.
 "IT-utdanning i nord – et synkende skip", avisen Nordlys, 17. januar, 1998.
 "Mange tapere i den digitale framtida", avisen Nordlys, 25. september, 1998.
 "Fremtiden er her", avisen Nordlys, 26. september, 1998.
 "Folkeskikk på Internett", avisen Nordlys, 9. oktober, 1998.
 "Frykt for IT-Fornebu", avisen Nordlys, 17. februar, 1999.
 "Vil samarbeide med IT-Fornebu", avisen Nordlys, 04. august, 1999.
 "Alltid overvåket", avisen Nordlys, 04. oktober, 1999.
 "Weekend gjest i P4 (radio) om regler for bruk av elektronisk post. Sendig 2. juli, 2000. (Redigert)
 "Fremtidens omsorgsbolig", avisen Bergens Tidende, 10. mai, 2001.
 "Sender e-post – men kan ikke skrive", avisen Nordlys, 07. juni, 2001.

Ledelse av seminarer viser at du holder et høyt faglig nivå innen ditt fagområde.

Professor

15. Professor i medisinsk informatikk, Linköpings Tekniska Högskola, vår-2004.
16. Professor i medisinsk informatikk, Biomedical Sciences and Engineering, Aalborg Universitet, høst-2007.
17. W2-Professorship in Medical Informatics, Universität zu Lübeck, høst-2008 (spesialsakkyn-dig)
18. Professor i medisinsk informatikk, Københavns Universitet, høst-2008.
19. Professor i Bio and Health Information Mining, Department of Information Technology, Faculty of Mathematics and Natural Sciences, University of Turku, Finland, vår-2012.
20. Professor, Oulu University, Finland, vår-2017.
21. Professor, Department of Public Health, Karolinska Institutet, Stockholm, Sverige, høst-2018.
22. Full professor, Dalla Lana School of Public Health, University of Toronto, Canada, høst-2019.
23. Professor in Digital Health and Diabetes, Institut for Medicin og Sundhedsteknologi (Department of Health Science and Technology), Det Sundhedsvidenskabelige Fakultet, Aalborg Universitet, vår-2022.
24. Adjungeret professor ved Institut for Medicin og Sundhedsteknologi (Department of Health Science and Technology), Det Sundhedsvidenskabelige Fakultet, Aalborg Universitet, høst-2023.

FORSKNINGSINSTITUTTER

1. Vurdering av forsker 2 til forsker 1, Norut IT, høst-2005.
2. Vurdering av forsker til seniorforsker (Nivå 3), SINTEF ICT, høst-2010.
3. Vurdering av forsker til seniorforsker, Norut – Northern Research Institute, høst-2014.
4. Vurdering av 2 forskere til forsker 1, Norut – Northern Research Institute, vår-2015.

INTERVJUKOMITEER

1. Intervju av søkere til postdoktor-stilling i medisinsk informatikk, NST, UNN, vår-2013.
2. Intervju av søkere til postdoktor-stilling i informatikk, Inst. for Informatikk, UiT, vår-2013.
3. Intervju av søkere til postdoktor-stilling i informatikk, Inst. for Informatikk, UiT, vår-2016.
4. Intervju av søkere til stipendiat-stilling i statistikk (informatikk), Inst. for Informatikk, UiT, høst-2016.
5. Intervju av søkere til 2 førsteamanuensis/professor i informatikk / helseinformatikk, Inst. for Informatikk, UiT, vår-2018.
6. Intervju av søkere til 4 førsteamanuensis/professor i informatikk / helseinformatikk, Inst. for Informatikk, UiT, vår-2019.
7. Intervju av søkere til stipendiat-stilling i informatikk, Inst. for Informatikk, UiT, vår-2019.
8. Intervju av søker til stipendiat-stilling i informatikk, Inst. for Informatikk, UiT, vår-2020.

17. SENSORVERKSOMHET**HOVEDOPPGAVER (MSc)**

Sensor, MSc thesis (hovedoppgave), datateknikk, NTNU, høst 1996, vår 1997.
Sensor, MSc thesis (hovedoppgave), Ifi, UiO, høst 1997, høst 2002.
Sensor, MSc thesis (hovedoppgave), Ifi, NTNU, vår 2000, vår 2002, vår 2003, vår 2004, vår 2005, høst 2005, vår 2020.
Sensor, MSc thesis, USN, vår 2022.
Sensor, MSc thesis, UiA, vår 2024 (6 theses, 11 students).

BSc PROSJEKTER OG EMNER/KURSER

Sensor, BSc prosjekter, NORD Universitet, vår 2019, vår 2020.
Sensor, div. emner/kurs, NORD Universitet, vår 2020, høst 2020, vår 2021, høst 2021, vår 2022.

Deltakelse i intervjukomiteer til vitenskapelige stillinger viser at du er ansett for å være en habil fagperson innen ditt kompetanseområde.

Sensuoppdrag viser at du er ansett for å være en habil fagperson innen ditt kompetanseområde og at du er villig til å ta din del av undervisningsforpliktelsen innen fagområdet.

EKSPERTPANEL

Academy of Finland – Biomedical Engineering Review Panel, Desember 2013–februar 2014. Avsluttende møte i Helsinki, Finland, 3.2.2014.
Regionale forskningsfond (Forskningsrådet), juni, 2014.
TEKES, Finland SHOK program panel review, november, 2014. Avsluttende møte i Helsinki, Finland, 18.11.2014.
VINNOVA, Sverige, Generalist expert for Call 1 and Call 2 in the Competence Program (kompetansesenter = norsk SF1-ordning), til sammen ca 50 søknader, hver med et budsjett på opp til 200 mill. SEK, vår 2016.
Academy of Finland – Human Factors and Technology Design Review Panel, desember 2019–januar 2020. Avsluttende møte i Helsinki, Finland, 20.22.1.2020.
Horizon 2020-IME2 (innovative medicines initiative) international evaluation panel, mars–mai 2020. Avsluttende møte 5.5.2020.
Horizon 2020 (Health SCI-BHC-06-2020), international evaluation panel, august–september 2020. Avsluttende møter 31.8–4.9.2020.

PROGRAMKOMITEER OG REVIEWER

Næringslivsdagene i Nord-Norge, vår-98.
International Joint Conference on Neural Networks (IJCNN 2002) (12–17. mai, 2002, Honolulu, HI)
Scandinavian Conference of Artificial Intelligence, 2003, (Bergen, Norway)
TTEC 2006 (Tromsø Telemedicine and eHealth Conference), (11–13. juni, 2006, Tromsø)
Scandinavian Conference on Health Informatics (SHI2006), (25–26. august, 2006, Aalborg, Denmark)
Medinfo 2007 (20–24. August 2007, Brisbane, Australia)
Scandinavian Conference on Health Informatics (SHI2007), (1–3. oktober, Kalmar, Sverige)
Medical Informatics Europe 2008 (MIE2008), (25–28. mai, 2008, Göteborg, Sweden)
TTEC 2008 (Tromsø Telemedicine and eHealth Conference), (9–11. juni, 2008, Tromsø)
Scandinavian Conference on Health Informatics (SHI2008), (26–28 august, Kalmar, Sverige)
Medical Informatics Europe 2009 (MIE2009), (30. august–2. september, 2009, Sarajevo)
6th international workshop on Wearable Micro and Nanosystems for Personalised Health (pHealth 2009), (24–26. juni, 2009, Oslo, Norway)
Medinfo 2010 (12–15. september, 2010, Cape Town)
MNT-konferansen 2011 (Realifgenes samfunnsrelevans), (23–24.03.2011, Universitetet i Tromsø)
Medical Informatics Europe 2011 (MIE2011), (28–31. august, 2011, Oslo, Norge)
Scandinavian Conference on Health Informatics (SHI2011), (30. august, Oslo, Norge)
IEEE DEST-CEE 2012 (18–20. juni, Campione d'Italia, Italy)
Medical Informatics Europe 2012 (MIE2012), (26–29. august, 2012, Pisa, Italia)
Scandinavian Conference on Health Informatics (SHI2012), (2–3. oktober, Linköping, Sverige)
Medinfo 2013 (20–23. august, 2013, København, Danmark)
Scandinavian Conference on Health Informatics (SHI2013), (20 August 2013, København, Danmark)
2nd European Workshop on Practical Aspects of Health Informatics (PAHI 2014), (19–20. mai, 2014, Trondheim, Norway)
Scandinavian Conference on Health Informatics (SHI2014), (21–22. august, 2014, Grimsstad, Norge)
Medical Informatics Europe 2014 (MIE2014), (31. august–3. september, 2014, Istanbul, Tyrkia)
Scandinavian Conference on Health Informatics (SHI2015), (15–17. juni, 2015, Tromsø, Norge) (Co-chair of SPC, chair of LOC)
Medinfo 2015 (19–23. august, 2015, Sao Paulo, Brasil)
Scandinavian Conference on Health Informatics (SHI2016), (6–7. april, 2016, Göteborg, Sverige)
The 5th International Conference on Global Telehealth Conference 2016 (GT2016), (31. oktober–3. november, 2016, Auckland, New Zealand) (SPC member)
European Telemedicine Conference 2016 (ETC 2016) (15–16. november, 2016, Oslo, Norway)
Medinfo 2017 (21–25. august, 2017, Hangzhou, China)
Scandinavian Conference on Health Informatics (SHI2017), (28–30. august 2017, Kristiansand)
International Conference on Information Systems 2017 (ICIS 2017) (10–13. desember, 2017, Seoul, South Korea)
EHIN 2017 (E-helse i Norge) (31.10–01.11.2017, Oslo, Norge)

Deltakelse i internasjonale ekspertpaneler for vurdering av forskningsprosjektsøknader viser at du er ansett for å være en habil fagperson innen ditt kompetanseområde og at du er villig til å ta del i fellesskapets forpliktelser.

21. UNDERVISNING

HJELPELÆRER (SOM STUDENT)

H1984-V86 Hjelpeleier, SId, UIT, i kursene: D100 Innføring i programmering (høst-1984 + vår-1986 (avgrenset til 5,5 uker)), D101 Videregående programmering (vår-1985 + høst-1985), D112 Algoritmer og datastrukturer (vår-1986).

VITENSKAPELIG ASSISTENT (SOM STUDENT)

III1986-H87 Vitenskapelig assistent ved SId, UIT, for kursene: D213 Maskinpril og operativsystem (høst-1986), D112 Videregående programmering (vår-1987), D340 Parallell programmering og operativsystem (høst-1987).

FAGLIG ANSVARLIG (VITENSKAPELIG ANSATT)

Høst-1988 Ansvar for tilretteleggelse og gjennomføring av kurset "Management Information Systems", Siviløkonomutdanningen i Bodo, høst-1988. Nivå: 4de års siviløkonomstudenter. Vektall: 2.

Høst-1989 Ansvar for tilretteleggelse og gjennomføring (undervisning, eksamensavvikling (ordinær + utsatt prøve), m.m.) av kurset D103, "Datateknikk i skolen", SId, IMR, UIT, høst-1989. Beskrivelse: Emnet gir en innføring i hvordan datateknikk kan benyttes i skoleverket, både som eget fag og som et praktisk og pedagogisk hjelpemiddel i andre fag. Videre har design og utvikling av programmer v.h.j.a. Grimsrud-modellen og verkøyene Mosaikk, Regissøren og SimTek stilt sentralt. Nivå: Etterutdanningskurs for lærere, førtrinnsvis i videregående skole. Vektall: 5.

Vår-1990 Ansvar for tilretteleggelse og gjennomføring (undervisning, eksamensavvikling (ordinær + utsatt prøve), m.m.) av kurset D102, "Innføring i databehandling", SId, IMR, UIT, vår-1990. Beskrivelse: Emnet gir en oversikt over de ulike områder innen datafaget ("computer literacy"). Jeg har for dette emnet foretatt en betydelig revisjon av både pensum og øvingsdel. Nivå: Innføringskurs. Vektall: 5.

Høst-1990 Ansvar for tilretteleggelse (og gjennomføring) av kurset D110, "Innføring i programmering", SId, IMR, UIT, høst-1990. Beskrivelse: Innføring i metodisk programmering v.h.j.a. Pascal. Jeg har for dette emnet foretatt en mindre revisjon av både pensum og øvingsdel. Nivå: Innføringskurs. Vektall: 5.

Høst-1990 Ansvar for tilretteleggelse og gjennomføring (undervisning, eksamensavvikling, m.m.) av kurset D370, "Interaktiv grafisk databehandling", SId, IMR, UIT, høst-1990. Beskrivelse: Omhandler prinsippene for grafisk fremstilling (scan-konvertering) av skrifttyper, linjer, kurver, flater, samt 3-dimensjonale objekter. Videre behandles tradisjonelle og adaptive brukergrensesnitt. Jeg har for dette emnet foretatt en til dels betydelig revisjon av både pensum og øvingsdel. Nivå: Hovedfagskurs. Vektall: 5.

Vår-1991 Ansvar for tilretteleggelse og gjennomføring (undervisning, eksamensavvikling, m.m.) av kurset D211, "Systemavvikling og prosjektarbeid", SId, IMR, UIT, vår-1991. Beskrivelse: Emnet gir et teoretisk og praktisk grunnlag for utvikling av store datasystemer. Jeg har for dette emnet foretatt en mindre revisjon av både pensum og øvingsdel. Nivå: Mellomfagskurs. Vektall: 5.

Høst-1991 Ansvar for tilretteleggelse og gjennomføring (undervisning, eksamensavvikling, m.m.) av kurset D240, "Operativsystemer", SId, IMR, UIT, høst-1991. Beskrivelse: Emnet gir en innføring i teori og metoder for utforming av operativsystemer. Forelesningene omhandler bl.a. beskrivelse av maskinressurser, teori og teknikker for ressursallokering, parallelle prosesser, vranglis og distributiv operativsystem. Jeg har for dette emnet foretatt en mindre revisjon av både pensum og øvingsdel. Nivå: Mellomfagskurs. Vektall: 5.

Vår-1992 Ansvar for tilretteleggelse og gjennomføring (undervisning, eksamensavvikling, m.m.) av kurset D211, "Systemavvikling og prosjektarbeid", SId, IMR, UIT, vår-1992. (Se beskrivelse over)

Høst-1992 Ansvar for tilretteleggelse og gjennomføring (undervisning, eksamensavvikling, m.m.) av kurset D240, "Operativsystemer", SId, IMR, UIT, høst-1992. (Se beskrivelse over)

Dokumentasjon av undervisning på ulike nivå er helt essensielt i forbindelse med søknad på vitenskapelige stillinger. DETTE ER FRA MIN NORSKE CV. Den er mer omfattende en den engelske.

H22-V23	Ansvar for tilretteleggelse og gjennomføring (undervisning, veiledning av prosjektgrupper, eksamensavvikling, m.m.) av kurset INF-3802 "E-helse og digital hjemmeoppfølging" Ifi, NT-fak, UIT, høst-2022 – vå-2023 (kurset går over to semester). Nivå: Mastergrad. Språk: norsk. Studiepoeng: 10. (Studiestud. UIT Campus Hjelgeland)
Høst-2023	Ansvar for tilretteleggelse og gjennomføring (undervisning, obligatoriske oppgaver, eksamensavvikling, m.m.) av kurset INF-3804 "Avanserte telemedisinske og e-helsesystemer" Ifi, NT-fak, UIT, høst-2023. Forelesningsform: samlingsbasert og nettundervisning. Nivå: Mastergrad. Språk: norsk. Studiepoeng: 10. (Studiestud. UIT Campus Hjelgeland)
H23-V24	Delt ansvar for tilretteleggelse og gjennomføring (undervisning, veiledning av prosjektgrupper, eksamensavvikling, m.m.) av kurset INF-3805 "Førskningsseminar i digitale hjemmeopfølger" Ifi, NT-fak, UIT, høst-2023 – vå-2024 (kurset går over to semester). Nivå: Mastergrad. Språk: norsk. Studiepoeng: 10. (Studiestud. UIT Campus Hjelgeland)
Høst-2024	Ansvar for tilretteleggelse og gjennomføring (undervisning, obligatoriske oppgaver, eksamensavvikling, m.m.) av kurset INF-3770 "Computer Science in Health Technology" Ifi, NT-fak, UIT, høst-2024. Nivå: Mastergrad. Språk: engelsk. Studiepoeng: 10. (Studiestud. UIT Campus Tromsø og UIT Campus Bodø)

Seminar i Norsk ortopedisk forening, Den norske legeforening: "Hvordan pushe professoralterer?", pre-hestmate-symposium tirsdag 20. oktober, 2009, Radisson SAS Plaza, Oslo. Mine foredrag:

References

Dokumentasjon av ulike typer undervisning er også viktig i forbindelse med søknad på vitenskapelige stillinger.

DETTE ER FRA MIN NORSKE CV. Den er mer omfattende en den engelske.

DETTE ER FRA MIN NORSKE CV. Den er mer omfattende en den engelske.

Tilbake til min
engelskspråklige
akademiske CV ...

Dokumentasjon av veiledning på ulike nivåer er også viktig (essensielt) i forbindelse med søknad på vitenskapelige stillinger. For professorkompetanse må en ha veiledet 2 ph.d.-kandidater (hovedveilder).

Grupper:

Internship
BSc theses
Semster theses
Siviløk.
MSc (siv.ing.)
MSc (30 ECTS)
MSc (60 ECTS)
MSc UiA, Karolinska Inst., TU München
PhD UiT, NTNU, UGeneve
Postdoc
Mentor vit. ans.

26. STUDENT ADVISING

LEVEL	COMPLETED	CURRENT
BSc Thesis	2	
Internship	11	
TOTAL UNDERGRAD	13	
Capstone projects (MSc)	40	
Capstone projects (licomed)	4	
TOTAL CAPSTONE GRADUATE (Master)	44	
Sivilekonom (M.Econ.)	5	
Sivilingeniør (Master technology) (30 ECTS)	48	2
Cand.scient. (MSc) (60 ECTS)	12	
Master (Computer Science) (30 ECTS)	1	
Master (Computer Science) (60 ECTS)	11	1
Master in telemedicine & eHealth (30 ECTS)	5	
Master in telemedicine & eHealth (60 ECTS)	11	
Master digital health services (30 ECTS)	0	4
Master (UiA) (30 ECTS)	1	
Master in medical engineering (Germany)	1	
Master in health informatics (Sweden)	1	
TOTAL GRADUATE (Master)	96	7
PhD (International)	1	
Dr. scient.	2	
PhD	15	4
TOTAL GRADUATE (PhD)	18	4

POSTDOC

1. Dr. Jeremiah Scholl, Spring-2007 - Fall-2010.
2. Dr. Taxiarchis Botsis, Spring-2007 - Spring-2010.
3. Dr. Eirik Årsand, Fall-2009 - Spring-2011.
4. Dr. Taridzo Chomutare, Fall-2014 - Spring-2017.
5. Dr. Conceicao Granja, Fall-2013 - Fall-2017.
6. Dr. Kari Dyb, Fall-2013 - Fall-2017.
7. Dr. Terje Solvoll, Spring-2015 - Fall-2017.

MENTOR

1. Mentor for female assoc. prof. in pharmacy, The Mentor-project, UiT, 2009-2002.
2. Mentor for female assoc. prof. in psychology in "Program for Yngre forskningsledere (YFL)" (et samarbeidsprosjekt mellom fire universiteter: UiT, NTNU, UiB og UiO), 2014/2015.
3. Mentor for female assoc. prof. in pedagogics the promotion project "Career development of women for top positions", 2016-2018.
4. Mentor for female assoc. prof. in psychology in the promotion project "Career development of women for top positions", 2016-2018.
5. Mentor for male assoc. prof. in e-health at University of Agder, 2018-2023.
6. Mentor for male senior lecturer in e-health at University of Agder, 2018-2020.
7. Mentor for female assoc. prof. in e-health at University of Agder, 2020-2023.
8. Mentor (group) for 4 female assoc. prof. in e-health at University of Agder, 2020-2023.
9. Mentor for female ass. prof. in health at University of Agder, 2022-2023.
10. Mentor for female assoc. prof. in pharmacy in the promotion project "Career development of women for top positions", 2020-2022.
11. Mentor for male assoc. prof. in medical informatics at UiT, 2022-.
12. Mentor for male assoc. prof. II in medical informatics at UiT, 2023-.

27. PRIZES

Science prize 1986, Norwegian Computer Society, Troms County, Norway.
Dutast/Rank Xerox's prize, 1986 (Xerox 1186 incl/Interisp-D & Loops. Value: NOK 250.000.)
Best paper/presentation. The First Scandinavian Conference on Artificial Intelligence, SCAI'88, 9-11 March 1988, Tromsø, Norway: Akselsen, S., **Hartvigsen, G.**, Richardson, P.W. "Knowledge-based systems for commercial line insurance"
Best presentation, NIK'96, 18-20 November 1996, Alta, Norway: Stabell, B., **Hartvigsen, G.** "A Software Prosthesis for Color-Defective Vision"
Første Nord-Norges idekonkurranse, Fall-1996, 2nd place. Value: NOK 20.000.
Best poster MIE 2005 (Geneva, September 2005): Helle, S.R., **Hartvigsen, G.** "SymbolPaD - A Symbol-based Patient Diary for Small Children"
Most authoritative scholar in 2013 with funding from the research program and national services in Health North, category "Last Author", 7 articles indexed in Medline (PubMed) and published in 2013.
Best paper, eTELEMED 2014, The Sixth International Conference on eHealth, Telemedicine, and Social Medicine. International Academy, Research and Industry Association (IARIA), March 23-27, 2014, Barcelona, Spain: Granja, C., Dyb, K., Belle, S-R., **Hartvigsen, G.** "Reduced elective surgery cancellations through patient involvement in pre-operative planning in Norway"
Forskerforbundet's (Norwegian Association of Researchers) "hjernekraft pris 2014" (Brain Power award 2014) "Selvhjelpssystemer for behandling av personer med diabetes" ("Self-help systems for treatment of people with diabetes"), Value: NOK 30.000.

Dokumentasjon av faglige priser.

Dokumentasjon av
vitenskapelige publikasjoner
er et absolutt krav i
forbindelse med søknad på
vitenskapelige stillinger.
(Totalt 39 sider)

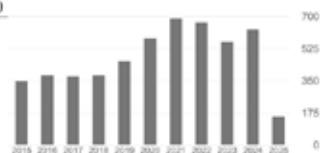
JOURNAL PAPERS
JOURNAL ABSTRACTS (ABSTRACTS PUBLISHED IN INTERNATIONAL JOURNALS)
INTERNATIONAL CONFERENCE PAPERS (IN PROCEEDINGS)
ABSTRACT AT INTERNATIONAL CONFERENCES
POSTERS AT INTERNATIONAL CONFERENCES
POSTERS AT NATIONAL CONFERENCES
INTERNATIONAL MAGAZINES ETC.
BOOKS
BOOKS (EDITOR)
BOOK CHAPTERS
NORWEGIAN JOURNALS
NORWEGIAN CONFERENCES (PAPERS)
NORWEGIAN CONFERENCES (ABSTRACTS AND POSTERS)
RESEARCH DATA
RESEARCH REPORTS
EDUCATIONAL MATERIALS
FEATURE ARTICLES, ETC.
WORK NOTES (PUBLISHED ON THE INTERNET / MUNIN.UIT.NO)
ACCEPTED (BUT NOT YET PUBLISHED)
CONDITIONALLY ACCEPTED
SUBMITTED
WORK IN PROGRESS

29. CITATIONS

From Google Scholar (09.04.2025):

Citation indexes	All	Since 2020
Citations	6647	3300
h-index	37	26
i10-index	89	48

Citations per year (2015-)



More publications by professor Gunnar Hartvigsen can be found at:

<http://www.cristin.no/en/WebObjects/cristin.wa/likes?sort=ac&pr=28043&ja=nokaction=sok>

En oversikt over H-indeks og siteringer er til stor hjelp for sakkyndig utvalg i forbindelse med søknad på vitenskapelige stillinger.

Her har jeg tatt med Google Scholar. I vurdering av søkere til vitenskapelige stillinger benyttes ofte tall fra Web of Science.

«Bottom line»

Dokumentasjon av din forskning,
undervisning, formidling og
administrativ virksomhet

Pedagogisk CV

<https://www.uhr.no/temasider/karrieropolitikk-og-merittering/opprykkssordninger/>

Opprykksordninger

Ansettelse, overgang og opprykk i undervisnings- og forskningsstillinger reguleres i [kapittel 3 i Universitets- og høyskoleforskriften](#), som ble iverksatt 1. august 2024. HK-dir har forvaltningsansvaret for forskriften. Har du spørsmål, ta kontakt med [HK-dir](#) eller institusjonen din for informasjon om kriterier for opprykk og regler og rutiner for hvordan man går frem og informasjon om bedømmelse.

Publisert: 09.05.2018 13.59 Sist endret: 10.04.2025 14.17

Veiledende retningslinjer for vurdering av opprykksøknader

UHRs fagstrategiske enheter (nasjonale fakultetsmøter) har tidligere utarbeidet veiledende retningslinjer for vurdering av søknader om opprykk. Det er foreløpig ikke foretatt en helhetlig gjennomgang av status for disse retningslinjene.

Veiledninger fra UHR om opprykk

+

Nasjonalt fagorgan for juridiske fag

+

UHR-MNT

+

Dekanmøtet i medisin

+

UHR-Humaniora

+

NYTTIGE LENKER

Underdal-utvalgets rapport finner du på [KDs nettsider](#).

Veiledende retningslinjer for vurdering av opprykkssøknader

UHRs fagstrategiske enheter (nasjonale fakultetsmater) har tidligere utarbeidet veiledende retningslinjer for vurdering av søknader om opprykk. Det er foreløpig ikke foretatt en helhetlig gjennomgang av status for disse retningslinjene.

NYTTIGE LENKER

Underdal-utvalgets rapport finner du på [KDs nettsider](#).

Veiledninger fra UHR om opprykk

DOCUMENTTITTEL	LAST NED
Veiledning for søknad om opprykk til dosent	Juni 2007 (PDF, 32 kB)
Veiledning for deg som vil søke om opprykk til førstelektor	November 2007 (PDF, 57 kB)
Veiledende retningslinjer for søknad og vurdering om opprykk til førstelektor	Desember 2006 (PDF, 58 kB)
Veiledende retningslinjer for vurdering av utdanningsfaglig kompetanse ved ansettelse som/opprykk til professor	Mars 2022 (PDF, 602 kB)

Nasjonalt fagorgan for juridiske fag



UHR-MNT



Dekanmøtet i medisin



UHR-Humaniora



Nasjonale veiledende retningslinjer for vurdering av utdanningsfaglig kompetanse ved ansettelse som/opprykk til professor

Forskriftsteksten lyder:

§ 1.2 Kompetansekrav for ansettelse i stilling som professor

(3) I tillegg til de krav til grunnleggende kompetanse for undervisning og veiledning på universitets- og høyskolenivå som er gitt til stilling som førsteamanuensis, skal det dokumenteres:

- Kvalitetsutvikling i egen undervisning og veiledning over tid
- Bred erfaring med veiledning fortrinnsvis på master/ ph.d.- nivå
- Deltakelse i utvikling av utdanningskvalitet i fagfellesskap

De utdanningsfaglige kvalifikasjonene skal være forankret i prinsippene:

- Fokus på studentenes læring
- En klar utvikling over tid
- En forskende tilnærming
- Samarbeid om undervisning og utviklingsarbeid

Utdanningsfaglige kvalifikasjoner innebærer blant annet:

- Solid kompetanse og et bredt spekter av ferdigheter innen planlegging, gjennomføring og evaluering av undervisning og læringsaktiviteter på alle utdanningsnivå både individuelt og i samarbeid med kolleger
- Refleksjon over egen rolle, samt diskutere og begrunne egne valg i planlegging, gjennomføring og utvikling av undervisning, læringsaktiviteter og veiledning
- Et bredt spekter av ferdigheter og vesentlige bidrag til systematisk utviklingsarbeid knyttet til utdanning, undervisning, læringsaktiviteter og veiledning
- Bred erfaring med veiledning på master- og ph.d.- nivå. Normalt bør søkeren ha vært aktiv veileder for minst to ph.d.- kandidater fram til og med fullført doktorgrad, men omfattende veiledning på masternivå kan delvis kompensere for dette. Ph.d.- og masterveiledning fra andre institusjoner enn der søkeren er ansatt, kan inngå i vurderingsgrunnlaget.

Undervisnings- og veiledningsferdigheter kan vurderes etter følgende kriterier:

Kvalitetsutvikling i egen undervisning og veiledning over tid

- Kan vise til en kontinuerlig utvikling av undervisningspraksis ut fra og studentens og kollegers tilbakemeldinger, og med forankring i relevant pedagogisk og/eller fagdidaktisk teori
- Refleksjon over egen rolle, samt diskutere og begrunne egne valg i planlegging, gjennomføring og utvikling av undervisning, læringsaktiviteter og veiledning
- Et bredt spekter av ferdigheter og vesentlige bidrag til systematisk utviklingsarbeid knyttet til utdanning, undervisning, læringsaktiviteter og veiledning

Bred erfaring med veiledning fortrinnsvis på master/ph.d.-nivå

- Søkere bør vise til ulike kombinasjoner av veiledningsoppgaver både med tanke på syklusnivå og omfang.

- Det kreves bred erfaring med veiledning fortrinnsvis på master/ ph.d.- nivå og at søkeren kan vise en refleksjon over kvalitet og måloppnåelsen i veiledningen. For institusjoner uten ph.d.-utdanning kan kompetanse dokumenteres på andre måter, eksempelvis gjennom kollegaveiledning, mentorordninger, fagfellevurdering, ledelse av forskningsprosjekter, m.v.
- Selv om veiledningsoppgaven ivaretas av alle faglige ansatte, er den av særlig betydning, og tillegges særlig vekt, i professorstillingene. Disse stillingene har ofte et særskilt ansvar for veiledning av master- og ph.d.-studenter samtidig som de forvalter et faglig leder- og veiledningsansvar overfor sine kolleger. Det er derfor svært viktig at de som søker stilling eller opprykk til professor er rustet for denne oppgaven ved at de gjennom sin veiledning har erfart, og løst, det mangfold av utfordringer som oppstår i møtet med ulike faglige problemstillinger og studentenes ulike forutsetninger. Det er ønskelig med en god balanse mellom veiledning av studenter på master- og ph.d.- nivå, men arbeidsgruppen er klar over at forholdet mellom studentrekuttering og antall ansatte ved den enkelte enhet gjør at denne balansen kan/vil forskyves. Denne forskjell mellom fagmiljø gjør også at hva som vil gjelde som bred erfaring må relateres til den konkrete fag- og institusjonskonteksten.

Deltakelse i utvikling av utdanningskvalitet i fagfellesskap

- Deler kunnskap og erfaringer rundt utdanningskvalitet i ulike fagfellesskap
- Samarbeid med eget og andre fagmiljø om kvalitetsutvikling av undervisning og veiledning
- Arbeid med søknader og gjennomføring av større utviklingsprosjekt innen utdanning

Dokumentasjon

Utdanningsfaglige kvalifikasjoner dokumenteres gjennom en pedagogisk mappe bestående av en oversikt over søkerens praktiske erfaring og kompetanse, dokumentasjon av påberopte kvalifikasjoner samt et kortfattet refleksjonsnotat knyttet til egen undervisningspraksis, læringssyn, oppnådde resultater, utviklingsarbeid og lignende. Det forventes at dokumenterte utdanningsfaglige kvalifikasjoner forankres i prinsippene for utdanningsfaglige kvalifikasjoner.

Den pedagogiske mappen (inkl. refleksjonsnotat) bør ikke være for omfattende.

Arbeidsgruppen har utarbeidet en mal for pedagogisk mappe, til bruk for de institusjoner som ønsker det.

Dersom søkeren har oppnådd status som merittert underviser, kan dokumentasjon på meritteringsstatusen være tilstrekkelig for å underbygge utdanningsfaglige kvalifikasjoner kombinert med oversikt over veiledningserfaring på master- og ph.d.-nivå, eventuelt på bachelornivå.

Vedlegg 1: Pedagogisk mappe - Mal for dokumentasjon av utdanningsfaglig kompetanse - professor

1 Personalia

Navn	
Adresse	
Alder	
Telefonnr.	
Mobil	
E-postadresse	
Nettside	
Kompetansenivå (nåværende stilling)	
Fagområde eller profesjon	
Nåværende undervisnings- og veiledningsansvar	

2. Undervisnings-CV

2.1 Pedagogisk utdanning

Type utdanning/kurs	Tidsrom	Institusjon
Formell utdanning via kurs i UH-pedagogikk eller tilsvarende		
Kurs i veiledning		
Andre typer kurs eller formell kompetanse innen ulike temaer om undervisning og veiledning f.eks. utdanningsledelse, bruk av IKT i læring osv.		

2.2 Undervisningserfaring

Nivå	Nivå- emne-program	Omfang	Når	Rolle	Institusjon
Erfaring med undervisning ved høyskole, universitet					
Erfaring med undervisning i andre sammenhenger					

2.3. Veiledningserfaring

2.3.1 Veiledning ph.d.-studenter

Navn ph.d.-student	Institusjon	Disputasdato/ fullføringsdato	Hovedveileder (sett X)	Biveileder (sett X)

2.3.2 Veiledning masterstudenter

År	Antall masterstudenter	Institusjon

2.3.3 Veiledning bachelorstudenter

År	Antall bachelorstudenter	Institusjon

2.4. Erfaring med bedømmelse/evaluering av undervisning og utdanning

Erfaring med bedømmelse/evaluering av undervisning og utdanning *	Nivå- emne-program	Omfang	Når	Rolle	Institusjon

*F.eks. antall eksterne sensoroppdrag pr. år, gjensidig kollegaveiledning, deltakelse i evaluering på fakultets- eller institusjonsnivå i nasjonal eller internasjonal sammenheng

2.5. Pedagogisk utviklingsarbeid

Utviklingserfaring*	Nivå- emne- program	Omfang	Når	Rolle	Institusjon

*Eksempler: arbeid med studietilbud, studieprogrammer, studiekvalitet mm

2.6. Erfaringsdeling om undervisning og veiledning innen fagfeltet

Type*	Omfang	Når	Rolle	Institusjon

* Eksempler: Presentasjoner, konferanser, studieturer med pedagogisk relevans

2.7. Administrasjon og ledelse av utdanning

Administrasjon og ledelse av utdanning*	Omfang	Når	Rolle	Hvor

*F.eks. erfaring som undervisningsleder, deltakelse i programråd, andre utvalg vedr. utdanning, emneledelse m.m.)

2.8. Referanseliste med undervisningsrelevante publikasjoner

Publikasjon	Publiseringskanal	Når	Volum	Språk

3. Refleksjonsnotat

Søkere til professorstilling/opprykk skal skrive et refleksjonsnotat med utgangspunkt i kompetanse og egen undervisningspraksis, med konkrete og relevante eksempler fra søkerens undervisningspraksis.

Omfang Veiledende omfang for refleksjonsdelen av undervisningspraksis: ca. 3- 5 sider.
Konkrete eksempler: Refleksjonen skal forankres i konkrete og relevante eksempler fra søkerens undervisnings- og veiledningspraksis.

Følgende omtales i refleksjonsnotatet:

- En til to eksempler på hvordan søker har utviklet egen undervisningspraksis og en vurdering av hvilken betydning dette har hatt for studentenes læring. Refleksjonen skal være forankret i relevant pedagogisk og fagdidaktisk teori.
- Refleksjon over kvalitet og måloppnåelsen i veiledningspraksis
- Vurdering av egen kompetanse og tanker om/plan for utvikling av egen rolle som underviser og veileder.

4. Dokumentasjon som støtter opp under refleksjonsdelen og CV

- Vitnemål, kursbevis som dokumenterer universitetspedagogisk kompetanse, veiledningskompetanse og kilder som underbygger pkt. 2.1 - 2.8 i CV
- Kilder som underbygger innholdet i refleksjonsnotatet og eksemplene fra egen undervisning
- Kilder som underbygger refleksjonen over veiledningspraksis

Følgende omtales i refleksjonsnotatet (pkt. 3)

En til to eksempler på hvordan søker har utviklet egen undervisningspraksis og en vurdering av hvilken betydning dette har hatt for studentenes læring.

Følgende omtales i refleksjonsnotatet

En til to eksempler på hvordan søker har utviklet egen undervisningspraksis og en vurdering av hvilken betydning dette har hatt for studentenes læring.

Refleksjonen skal være forankret i relevant pedagogisk og fagdidaktisk teori.

Følgende omtales i refleksjonsnotatet

En til to eksempler på hvordan søker har utviklet egen undervisningspraksis og en vurdering av hvilken betydning dette har hatt for studentenes læring.

Refleksjonen skal være forankret i relevant pedagogisk og fagdidaktisk teori.

Refleksjon over kvalitet og måloppnåelsen i veiledningspraksis

Følgende omtales i refleksjonsnotatet

En til to eksempler på hvordan søker har utviklet egen undervisningspraksis og en vurdering av hvilken betydning dette har hatt for studentenes læring.

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Refleksjon over kvalitet og måloppnåelsen i veiledningspraksis.

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Kilder som underbygger innholdet i refleksjonsnotatet og eksemplene fra egen undervisning

Dokumentasjon som støtter opp under refleksjonsdelen og CV

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Kilder som underbygger innholdet i refleksjonsnotatet og eksemplene fra egen undervisning

Kilder som underbygger refleksjonen over veiledningspraksis

Veiledende retningslinjer for vurdering av opprykkssøknader

UHRs fagstrategiske enheter (nasjonale fakultetsmøter) har tidligere utarbeidet veiledende retningslinjer for vurdering av søknader om opprykk. Det er foreløpig ikke foretatt en helhetlig gjennomgang av status for disse retningslinjene.

NYTTIGE LENKER

Underdal-utvalgets rapport finner du på [KDs nettsider](#).

Veiledninger fra UHR om opprykk	+
Nasjonalt fagorgan for juridiske fag	+
UHR-MNT	+
Dekanmøtet i medisin	,

DOKUMENTTITTEL	LAST NED
Nasjonale normer for bedømmelse av professorkompetanse ved de medisinske fakultetene i Norge	UiO, revidert 2020
National norms for the evaluation of professorial competence - criteria for assessment at the faculties of medicine in Norway	UiO, revised 2020

[← Om fakultetet](#) [← Ledige stillinger ved MED](#) [← Søkerveiledninger](#)

Nasjonale normer for bedømmelse av professorkompetanse ved de medisinske fakultetene i Norge

Vedtatt på Nasjonalt dekanmøte i medisin, Tromsø, 1. juli 2015. Revidert på Nasjonalt minidekanmøte i medisin, Svalbard, 6.-8. desember 2015, på Nasjonalt dekanmøte i medisin, Alta, 2. juni 2016 og i de fire medisindekanenes møte 24.3.2020.

Pedagogiske kvalifikasjoner

For professorkompetanse kreves pedagogisk basiskompetanse, definert som et kurs i universitets-/høgskolepedagogikk. I tillegg kreves dokumentert praktisk-pedagogisk kompetanse i form av erfaring fra undervisnings- og eksamensarbeid samt pedagogisk planleggingsarbeid. Utviklings- og evalueringsarbeid, utdanningsledelse, produksjon av læremidler, undervisningspriser og pedagogisk bakgrunn av annen art skal også tillegges vekt.

Personer som ikke oppfyller dette kan søke til stilling som professor som ikke følger

Pedagogiske kvalifikasjoner

For professorkompetanse kreves pedagogisk basiskompetanse, definert som et kurs i universitets-/høgskolepedagogikk. I tillegg kreves dokumentert praktisk-pedagogisk kompetanse i form av erfaring fra undervisnings- og eksamensarbeid samt pedagogisk planleggingsarbeid. Utviklings- og evalueringsarbeid, utdanningsledelse, produksjon av læremidler, undervisningspriser og pedagogisk bakgrunn av annen art skal også tillegges vekt.

Dersom særlig grunner tilsier det kan søkere til stilling som professor som ikke fyller kravene til universitetspedagogisk basiskompetanse (jf forskriftens § 1-4 (3)) gis en toårsfrist fra tiltredelse for å oppfylle disse. Dette gjelder primært for utenlandske søkere og for søkere til kombinert professor II-stilling med hovedansettelse i helseforetak. Hovedregelen ved ansettelse i professorater er imidlertid at kravet skal være oppfylt på ansettelsestidspunktet.

Professorkompetanse forutsetter dokumentert erfaring med veiledning av forskerrekutter på ulike nivå. Det vil være et krav til professorkompetanse at søker har vært hovedveileder for minimum en kandidat fra oppstart frem til avlagt doktorgrad (kandidaten har disputert). Dette kravet kan bare fravikes for søkere fra utlandet som oppfyller alle øvrige kriterier, og i tillegg utmerker seg i betydelig grad utover det som normalt forventes mht. vitenskapelige kvalifikasjoner. I slike tilfeller skal komiteen rådføre seg med fakultetet før sakkyndig vurdering avgis.

Vitenskapelige kvalifikasjoner

Professorkompetanse forutsetter betydelig vitenskapelig produksjon utover det som kreves til en doktorgrad.

Hovedvekt skal legges på vitenskapelige arbeider, samt på forskningsledelse og deltakelse i forskningsprosjekter. Forskningen skal være av høy kvalitet og vise både bredde og dybde. Produksjonen skal reflektere en selvstendig forskningsprofil, og vise evne til å ta opp nye problemstillinger. Vedvarende forskningsaktivitet er en forutsetning for tildeling av professorkompetanse. Kvalitet, originalitet og nyskaping i vitenskapelig produksjon vektlegges foran totalt omfang, og nyere arbeider tillegges større vekt enn eldre.

Den totale forskningsproduksjonen bør svare til minimum 15 publikasjoner etter avlagt doktorgrad. Publikasjonene skal være av høy kvalitet og originalitet og være publisert i internasjonale tidsskrifter med fagfelleevaluering. Minst syv av publikasjonene etter doktorgrad skal være som førsteforfatter eller sisteforfatter, hvorav minst to som førsteforfatter. Dersom noen artikler er publisert i et av fagområdets mest prestisjetunge tidsskrifter og artiklene er av meget høy kvalitet, kan antall artikler vurderes redusert.

I store vitenskapelige fellesarbeider, for eksempel store multisenterstudier, bør bidraget fra søker spesifiseres i søknaden og dokumenteres ved skriftlig uttalelse fra leder av studiene, eller ved henvisning til en anerkjent kontaktperson som kjenner arbeidene og søkeren.

Faglige krav til professorkompetanse er de samme uavhengig av om det gjelder hovedstilling eller bistilling.

Kvalifikasjoner for kunnskaps- og forskningsformidling

Dokumentert kunnskaps- og forskningsformidling, innsats for å spre kjennskap til vitenskapelige metoder og resultater skal vektlegges. Spesielt meritterende er populærvitenskapelige artikler og opplysningsmateriell.

Kvalifikasjoner for ledelse og administrasjon

Dokumentert utdanning og praksis i administrasjon og ledelse, samt erfaring fra relevante verv skal tillegges vekt. Meritterende er administrativ erfaring fra undervisnings- og forskningsvirksomhet. Slike kvalifikasjoner omfatter også etablering, ledelse og drift av egen forskningsgruppe, etablering av et vitenskapelig miljø og arbeid som sakkyndig ved bedømmelse.

Andre faglige kvalifikasjoner

Det kan vurderes øvrige faglige kvalifikasjoner spesifisert i stillingsomtale.

Vektlegging av de ulike kvalifikasjoner

I den samlede vurdering skal hele bredden av kvalifikasjoner vurderes. Pedagogiske og vitenskapelige kvalifikasjoner tillegges vekt foran øvrige ovennevnte kvalifikasjoner. At en søker har spesielt høy kompetanse innen undervisning, administrativt arbeid eller annen kvalifiserende virksomhet medfører ikke redusert krav til vitenskapelig kompetanse.

Publisert: 09.05.2018 13.59 Sist endret: 10.04.2025 14.17

Veiledende retningslinjer for vurdering av opprykkssøknader

UHRs fagstrategiske enheter (nasjonale fakultetsmøter) har tidligere utarbeidet veiledende retningslinjer for vurdering av søknader om opprykk. Det er foreløpig ikke foretatt en helhetlig gjennomgang av status for disse retningslinjene.

NYTTIGE LENKER

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Veiledninger fra UHR om opprykk

+

Nasjonalt fagorgan for juridiske fag

+

UHR-MNT

+

DOKUMENTTITTEL

ENGELSK VERSJON

[UHR-MNT Professoropprykk
retningslinjer 2024 \(PDF: 424 kB\)](#)

[Coordination of the procedures for
promotion to professor in STEM1 subjects
\(PDF: 440 kB\)](#)

Dekanmøtet i medisin

+

UHR-Humaniora

+

Nasjonalt fakultetsmøte for odontologi

+

Nasjonalt profesjonsråd for utdanning og forskning innen psykologi

+

Nasjonal fagstrategisk enhet for matematikk, naturvitenskap og teknologi (UHR-MNT)

Samordning av prosessene for professoropprykk innen MNT-fag ved

Fakultet for informasjonsteknologi og elektroteknikk (NTNU)
Fakultet for naturvitenskap (NTNU)
Fakultet for ingeniervitenskap (NTNU)
Det matematisk-naturvitenskapelige fakultet (UiB)
Det matematisk-naturvitenskapelige fakultet (UiO)
Det helsevitenskapelige fakultet (UiT)
Fakultet for biovitenskap, fiskeri og økonomi (UiT)
Fakultet for naturvitenskap og teknologi (UiT)
Fakultet for ingeniervitenskap og teknologi (UiT)
Norges miljø- og biovitenskapelige universitet (NMBU)
The University Centre in Svalbard (UNIS)

Det er full anledning for alle andre avdelinger eller fakulteter med MNT-fag å benytte seg av ordningen. Det er en forutsetning for samordning av prosess og krav for opprykk i MNT-fagene at opplegg og krav er i tråd med Kunnskapsdepartementets forskrift av 23.07.10, med endringer av 17.08.15 og 01.09.2019.

Godkjent av NRT og NFmR 19. august 2016, revidert av UHR-MNT november 2018, september 2020, august 2021 og mai 2024.

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6 Relaterte problemstillinger

6.1 Forholdet til kompetansevurdering for forsker 1183

Som en konsekvens av at en økende andel av forskningsmidlene sluses gjennom eksterne kanaler (Forskningsrådet, EU, ...), har universitetene en rekke rene forskerstillinger. Opprykk fra forsker 1109 eller 1110 er regulert i Regler for opprykk til forsker 1183 etter kompetanse fastsatt av Arbeids- og administrasjonsdepartementet, jf. Personalmelding nr. 11/98 av 2. juni 1998.

Her beskrives kvalifikasjonskravene som (sitat):

§4. Kompetansekrav:

- Innen de ulike fagområder/forskningsfelt er det etablert internasjonale og /eller nasjonale standarder for professorkompetanse eller forskerkompetanse på professornivå. Bedømmelseskomiteen må legge disse standarder til grunn ved bedømmingen.
- Institusjoner/virksomheter som på bakgrunn av sin egenart har utfyllende regler om krav til forsker i toppstilling, kan ta disse i betraktning ved behandling av søknaden

Det virker naturlig at slike opprykk ses i sammenheng med de kvalifikasjonskravene som gjelder for personlig opprykk til professor slik de presenteres i kap. 4. Det må selvsagt tas høyde for at dette ikke er undervisningsstillinger, og de kravene som knytter seg til undervisning kan/må anvendes tilsvarende. Det vil ikke være unaturlig å bruke de faste komiteene til å vurdere slike søknader også. Dette må imidlertid være under den helt klare forutsetning av at et 1183-opprykk ikke kvalifiserer til professor, selv om det skulle være bedømt av komiteen for professoropprykk.

6.2 Forholdet til vurdering ved ansettelse i professorat

Ansettelse i stilling som professor er regulert av Forskrift om ansettelse og opprykk i undervisnings- og forskerstillinger (FOR 2006-02-09 nr. 129)⁵. Denne er imidlertid lite spesifikk når det gjelder kvalifikasjonskrav for professorater (sitat):

«Kriterier for ansettelse i stilling som professor: (1) Vitenskapelig nivå i samsvar med etablerte internasjonale eller nasjonale standarder Eller (2) Omfattende kunstnerisk virksomhet på høyeste nivå etter internasjonal standard og relevant bredde og fordypning i faget eller disiplinen på høyeste nivå Og (3) I tillegg til de krav til grunnleggende kompetanse for undervisning og veiledning på universitets- og høyskolenivå som er gitt til stilling som førsteamanuensis, skal det dokumenteres:

- Kvalitetsutvikling i egen undervisning og veiledning over tid
- Bred erfaring med veiledning fortrinnsvis på master/ ph.d.- nivå
- Deltakelse i utvikling av utdanningskvalitet i fagfellesskap.»

De kvalifikasjonskravene som er angitt i kap. 4 i dette notatet vil tjene som en konkretisering av disse kravene ved at de er anbefalt av UHR-MNT. En bør imidlertid være oppmerksom på at en del av kravene vil kunne fremstå som urimelige overfor søkere med bakgrunn utenfor vanlige norske universitetsmiljøer. Ett eksempel på dette vil være situasjoner der en ønsker å knytte til seg personer med sterk erfaring fra industri eller næringsliv. Kravene til utdanningsfaglig kompetanse kan også være problematisk for en del internasjonale søkere og søkere med bakgrunn fra sektorer som ikke er gradsutstedende på høyere nivå.

⁵ Forskriften er vedtatt endret mvf. 1.9.2019, <https://www.regjeringen.no/no/dokumenter/forskrift-om-endring-i-forskrift-2006-02-09-129-om-ansettelse-og-opprykk-i-undervisnings-og-forskerstillinger/id2611014/>

Vedlegg: Forslag til mal for dokumentasjon av utdanningsfaglige kvalifikasjoner

Ikke-uttømmende forslag til mal for dokumentasjon av utdanningsfaglige kvalifikasjoner (jf. pkt. 5.5). Momenter, punkter og innhold som kan inngå i dokumentasjonen er nevnt.

Pedagogisk utdanning

(formell utdanning via kurs i universitetspedagogikk eller tilsvarende, veiledningskurs, andre typer eller formell kompetanse som gjelder undervisning og veiledning. Ta med tidsrom og omfang, samt hvilke institusjoner som har vært ansvarlig for kursene)

• ---

Undervisning

(undervisning ved høyskole, universitet eller andre relevante sammenhenger. Oppgi nivå på emner eller program, omfang og år (periode), hvilken rolle søker har hatt og institusjon; Oppgi også omfang av veiledning av bachelor kandidater)

• ---

Akademisk veiledning på ulike nivå

(Ph.d.-kandidater (navn, avhandlingstittel, gradgivende institusjon, helt fullført (måned/år) / kun påbegynt (måned/år), inkl. kort kvalitativ omtale av veiledningen: veilederrolle, type og omfang på veiledning for den enkelte kandidaten); Postdoktorer (navn, institusjoner og perioder, inkl. kort kvalitativ omtale: veileder-/oppfølgerrolle, type og omfang; Masterkandidater (antall, omfang); Ta med en samlet beskrivelse av og refleksjon rundt egen rolle i den akademisk veiledningen - for å legge til rette for at det skal kunne gjøres en helhetlig vurdering av samlet veiledererfaring) – se pkt. 4.3.2.

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Utdanningsledelse, pedagogisk utviklingsarbeid, bidrag til å utarbeide og implementere nye læringsformer

(for eksempel arbeid med utvikling/revisjon/fornyelse/digitalisering av studieprogrammer/emner/andre undervisningsforløp, utvikling av gode sammenhenger mellom læringsutbytte og lærings- og vurderingsformer, erfaring som utdanningsleder, deltakelse i programråd, andre utvalg vedr. utdanning, emneledelse, samt erfaring med bedømmelse/evaluering av undervisning og utdanning. sensoroppdrag, gjensidig kollegaveiledning, deltakelse i evaluering på fakultets- eller universitetsnivå i nasjonal eller internasjonal sammenheng)

• ---

Samarbeid om utdanningskvalitet innenfor og utenfor eget fagmiljø, samt med eksterne aktører som samfunns- og arbeidsliv, skole og forvaltning

(for eksempel kollegialt og tverrfaglig samarbeid, gjennomføring av utdanningsaktivitet i nær kontakt med relevant arbeidsliv samarbeid med eksterne aktører for å utvikle egen undervisning og veiledning)

• ---

Læringsomgivelser og -ressurser

(for eksempel anvendelse og bruk av ulike typer undervisning og læringsaktiviteter, bidrag i utvikling av læringsmiljø, aktiv bruk av IT-kompetanse i undervisning og evaluering, innovativt bruk av digitale og fysiske læringsomgivelser og læringsressurser, ansvar for og/eller medvirkning i utarbeidelse av lærebøker, digitale læremidler og andre læringsressurser)

• ---

Arbeid med å øke kjønnsbalanse og kjønnsperspektiver i fagkulturen og utdanningenes innhold (fra et kvalitets- og mangfoldsperspektiv er det i MNT-fag behov for økt kjønnsbalanse. For å oppnå dette er det behov for arbeid på flere nivåer, og disse henger sammen: endring av antall (kjønnsbalanse), endring av kultur (kjønnsbevissthet) og endring av emner (kjønnsperspektiv). Den enkeltes bidrag til og deltakelse i endring av kultur og innhold er viktig for å øke kjønnsbalanse og kandidatenes evne til å bidra til et likestilt samfunn. Deltakelse i utvikling av fagkultur og kjønnsperspektiver i utdanningskvalitet i fagfellesskap, valg av lærebøker, case, eksempel og prosjektoppgaver, visuelle presentasjoner og et bærekraftsperspektiv på fagområdet er eksempler på ting som kan trekkes fram)

• ---

Utdanningsrelevant publisering og erfaringsdeling om undervisning og veiledning

(publikasjonsliste med publiseringskanal, år, volum, DOI, språk, presentasjoner fra faglige konferanser og redaksjons- og/eller fagfellearbeid i fagdidaktiske publiseringskanaler)

• ---

Refleksjonsnotat

Et refleksjonsnotat (maks 3 sider) med utgangspunkt i kompetanse og egen undervisningspraksis, med konkrete og relevante eksempler fra søkerens undervisningspraksis inngår i pedagogisk mappe. Refleksjonsnotatet skal ta utgangspunkt i egen undervisningserfaring og omhandle oppnådde resultater, utviklingsarbeid og kontinuerlig arbeid med kvalitetsutvikling. Refleksjonen knyttes til kunnskap om studenters læring i høyere utdanning. Refleksjonsnotatet bør inneholde:

- Eksempler på hvordan søker har utviklet egen undervisningspraksis og en vurdering av hvilken betydning dette har hatt for studentenes læring. Refleksjonen bør forankres i relevant pedagogisk og fagdidaktisk teori.
- Refleksjon over kvalitet og måloppnåelsen i veiledningspraksis.

Vedlegg til dokumentasjon av utdanningsfaglige kvalifikasjoner

- Vitnemål, kursbevis som dokumenterer universitetspedagogisk kompetanse, veiledningskompetanse og kilder som underbygger erfaring og kompetanse
 - Kilder som underbygger innholdet i refleksjonsnotatet og eksemplene fra egen undervisning
- Kilder som underbygger refleksjonen over veiledningspraksis.

Vedlegg: Forslag til mal for dokumentasjon av utdanningsfaglige kvalifikasjoner

- *Ikke-uttømmende forslag til mal for dokumentasjon av utdanningsfaglige kvalifikasjoner (jf. pkt. 5.5). Momenter, punkter og innhold som kan inngå i dokumentasjonen er nevnt.*

Pedagogisk utdanning

- (formell utdanning via kurs i universitetspedagogikk eller tilsvarende, veiledningskurs, andre typer eller formell kompetanse som gjelder undervisning og veiledning. Ta med tidsrom og omfang, samt hvilke institusjoner som har vært ansvarlig for kursene)
-

Vedlegg: Forslag til mal for dokumentasjon av utdanningsfaglige kvalifikasjoner

Undervisning

- (undervisning ved høyskole, universitet eller andre relevante sammenhenger. Oppgi nivå på emner el program, omfang og år (periode), hvilken rolle søker har hatt og institusjon; Oppgi også omfang av veiledning av bachelorkandidater)
-

Vedlegg: Forslag til mal for dokumentasjon av utdanningsfaglige kvalifikasjoner

Akademisk veiledning på ulike nivå

- (Ph.d.-kandidater (navn, avhandlingstittel, gradsgivende institusjon, helt fullført (måned/år) / kun påbegynt (måned/år), inkl. kort kvalitativ omtale av veiledningen: veilederrolle, type av og omfang på veiledning for den enkelte kandidaten); Postdoktorer (navn, institusjoner og perioder, inkl. kort kvalitativ omtale: veileder-/oppfølgerrolle, type og omfang; Masterkandidater (antall, omfang); Ta med en samlet beskrivelse av og refleksjon rundt egen rolle i den akademisk veiledningen - for å legge til rette for at det skal kunne gjøres en helhetlig vurdering av samlet veiledererfaring) – se pkt. 4.1.2.
-

Vedlegg: Forslag til mal for dokumentasjon av utdanningsfaglige kvalifikasjoner

Utdanningsledelse, pedagogisk utviklingsarbeid, bidrag til å utarbeide og implementere nye læringsformer

- (for eksempel arbeid med utvikling/revisjon/fornyelse/digitalisering av studieprogrammer/emner/andre undervisningsforløp, utvikling av gode sammenhenger mellom læringsutbytte og lærings- og vurderingsformer, erfaring som utdanningsleder, deltakelse i programråd, andre utvalg vedr. utdanning, emneledelse, samt erfaring med bedømmelse/evaluering av undervisning og utdanning. sensoroppdrag, gjensidig kollegaveiledning, deltakelse i evaluering på fakultets- eller universitetsnivå i nasjonal eller internasjonal sammenheng)
-

Vedlegg: Forslag til mal for dokumentasjon av utdanningsfaglige kvalifikasjoner

Samarbeid om utdanningskvalitet innenfor og utenfor eget fagmiljø, samt med eksterne aktører som samfunns- og arbeidsliv, skole og forvaltning

- (for eksempel kollegialt og tverrfaglig samarbeid, gjennomføring av utdanningsaktivitet i nær kontakt med relevant arbeidsliv samarbeid med eksterne aktører for å utvikle egen undervisning og veiledning)
- •

Vedlegg: Forslag til mal for dokumentasjon av utdanningsfaglige kvalifikasjoner

Læringsomgivelser og -ressurser

- (for eksempel anvendelse og bruk av ulike typer undervisning og læringsaktiviteter, bidrag i utvikling av læringsmiljø, aktiv bruk av IT-kompetanse i undervisning og evaluering, innovativ bruk av digitale og fysiske læringsomgivelser og læringsressurser, ansvar for og/eller medvirkning i utarbeidelse av lærebøker, digitale læremidler og andre læringsressurser)
-

Vedlegg: Forslag til mal for dokumentasjon av utdanningsfaglige kvalifikasjoner

Arbeid med å øke kjønnsbalanse og kjønnsperspektiver i fagkulturen og utdanningenes innhold

- (fra et kvalitets- og mangfoldsperspektiv er det i MNT-fag behov for økt kjønnsbalanse. For å oppnå dette er det behov for arbeid på flere nivåer, og disse henger sammen: endring av antall (kjønnsbalanse), endring av kultur (kjønnsbevissthet) og endring av emner (kjønnsperspektiv). Den enkeltes bidrag til og deltakelse i endring av kultur og innhold er viktig for å øke kjønnsbalanse og kandidatenes evne til å bidra til et likestilt samfunn. Deltakelse i utvikling av fagkultur og kjønnsperspektiver i utdanningskvalitet i fagfellesskap, valg av lærebøker, case, eksempel og prosjektoppgaver, visuelle presentasjoner og et bærekraftsperspektiv på fagområdet er eksempler på ting som kan trekkes fram)
-

Vedlegg: Forslag til mal for dokumentasjon av utdanningsfaglige kvalifikasjoner

Utdanningsrelevant publisering og erfaringsdeling om undervisning og veiledning

- (publikasjonsliste med publiseringskanal, år, volum, DOI, språk, presentasjoner fra faglige konferanser ol, redaksjons- og/eller fagelløarbeid i fagdidaktiske publiseringskanaler).
-

Vedlegg: Forslag til mal for dokumentasjon av utdanningsfaglige kvalifikasjoner

Refleksjonsnotat

- Et *refleksjonsnotat* (maks 3 sider) med utgangspunkt i kompetanse og egen undervisningspraksis, med konkrete og relevante eksempler fra søkerens undervisningspraksis inngår i pedagogisk mappe. Refleksjonsnotatet skal ta utgangspunkt i egen undervisningserfaring og omhandle oppnådde resultater, utviklingsarbeid og kontinuerlig arbeid med kvalitetsutvikling. Refleksjonen knyttes til kunnskap om studenters læring i høyere utdanning. Refleksjonsnotatet bør inneholde:
 - Eksempler på hvordan søker har utviklet egen undervisningspraksis og en vurdering av hvilken betydning dette har hatt for studentenes læring. Refleksjonen bør forankres i relevant pedagogisk og fagdidaktisk teori.
 - Refleksjon over kvalitet og måloppnåelsen i veiledningspraksis.

Vedlegg: Forslag til mal for dokumentasjon av utdanningsfaglige kvalifikasjoner

Vedlegg til dokumentasjon av utdanningsfaglige kvalifikasjoner

- Vitnemål, kursbevis som dokumenterer universitetspedagogisk kompetanse, veiledningskompetanse og kilder som underbygger erfaring og kompetanse
- Kilder som underbygger innholdet i refleksjonsnotatet og eksemplene fra egen undervisning
- Kilder som underbygger refleksjonen over veiledningspraksis

Biosketch

(Biographical Sketch)

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/Key personnel and other significant contributors.
Follow this format for each person. **DO NOT EXCEED FIVE PAGES.**

NAME: Hartvigsen, Gunnar

eRA COMMONS USER NAME (credential, e.g., agency login): N/A

POSITION TITLE: Professor of Health Informatics

EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
University of Tromsø, Norway	B.Sc.	06/1985	Computer Science
University of Tromsø, Norway	M.Sc.	10/1987	Computer Science
University of Tromsø, Norway	Ph.D.	12/1992	Computer Science

A. Personal Statement

Since 1998, I have been doing research within Telemedicine and Medical Informatics. My research interests include various aspects of telemedicine and medical informatics, including electronic disease surveillance, self-help systems for people with chronic diseases, Human-Computer Interaction (HCI) for mobile systems, medical sensor systems, digital patient communication, physical activity sensors, e-health applications for people with intellectual disability, and motivational mechanisms / persuasive technology in e-health. Most of my projects are done together with clinicians and other health professionals.

My MSc (1987) and PhD (1992) are in Artificial Intelligence where I worked on a system for automatic analysis of financial statements in banking and finance. In parallel with my PhD project, I was the co-leader of StormCast, a distributed artificial intelligence system. StormCast was monitoring and visualizing weather forecasts (severe storms) based on a distributed sensor network. This research was continued into research on multi-agent cooperation. Around 1995, my research turned towards health-related problems, and from 1998, I have only been doing health-related research projects.

From 2007 to 2015, I was director of Tromsø Telemedicine Laboratory, (TTL), one of Norway's 14 first centers for research-based innovation. TTL was hosted by the Norwegian Centre of Integrated Care and Telemedicine (NST), which was with its more than 120 employees working with various aspects of telemedicine, the largest telemedicine center in the world at that time. The vision of TTL was to become a world-leading center for research and innovation in the field of advanced telemedicine and eHealth systems for chronic, age, and lifestyle related diseases. TTL consisted of the research organizations and commercial partners with the longest and broadest telemedicine and eHealth experience in Norway. More than 100 researchers were affiliated with TTL, including 20 doctoral students and 3 post-doctoral fellows. The total budget was approx. USD 40 millions, of which USD 15 millions were a research grant from the Research Council of Norway.

In the years 2000-2017, I was adjunct professor at the Norwegian Centre for of integrated Care and Telemedicine and later the Norwegian Centre for E-health Research, both part of the University Hospital of North Norway. Together with the founder of the telemedicine center, Dr. Steinar Pedersen, I have documented our telemedicine achievements in the report "Lessons learned from 25 years with telemedicine in Northern Norway" (1). Over the years, I have been invited speaker on telemedicine and eHealth in several countries, including Norway, Sweden, Denmark, Greenland, Germany, France, UK, Spain, Poland, Russia, Czech Republic, USA and Australia.

In 2007, I got a grant from the Research Council of Norway to study context-based communications in hospitals. The project resulted in a working prototype of a new context-based communication system for hospitals.

My main research areas – self-management for people with diabetes and electronic disease surveillance were initiated in the beginning of the millennium. The self-management project focuses on development of self-management tools and techniques for optimizing blood glucose control. The electronic disease surveillance project tries to identify the spread of contagious diseases before people know that they have been infected. An additional spin-off project has focused on the integration of self-recorded data into the patient's electronic health records and visualization of the data. All projects have been done in close collaboration with users/patients, e.g., through focus groups, clinical trials and extensive testing of our new tools.

Another research project is PA-ID where the objective is to try to increase physical activity level among people with intellectual disability through gamification of smartphone apps. The project is funded by Northern Norway Regional Health Authority. I am the PI of the technology part of this project.

My research group has been involved in two EU-funded projects: Renewing Health (REgIoNs of Europe WorkINg toGether for HEALTH) (2010-2013); "FI-STAR" (Future Internet Social and Technological Alignment Research) (2013-2015). We are currently partner in the EU Horizon projects "HEIR" (A Secure Healthcare Environment for Informatics Resilience) (2020-2023) and "WARIFA" (Watching the risk factors: Artificial intelligence and the prevention of chronic conditions) (2021-2024).

As PI or co-PI on several university-, Northern Norway Regional Health Authority-, Research Council of Norway- and European Union-funded grants, I have experience in administrating different kinds of research project, including staffing, research training and budgeting, establishing and maintaining collaborating with other national and international researchers, and communicating the results.

Citations:

1. **Hartvigsen, G.**, Pedersen, S. Lessons learned from 25 years with telemedicine in Northern Norway. NST-report: 06-2015. Publisher: Norwegian Centre for Integrated Care and Telemedicine, University Hospital of North Norway. 405 pages. (ISBN: 978-82-8242-053-2)
The book is available on: <http://munin.uit.no/handle/10037/8967>

B. Positions, Scientific Appointments, and Honors

Positions and Scientific Appointments

2020 – Present	Board member, SINTEF Nord AS, Norway
2018 – Present	Adjunct Professor, Dept. of Health and Nursing Sciences, University of Agder, Norway
2017 – 2018	Adj. Prof., Norwegian Centre for eHealth Research, University Hospital of North Norway
2017 – 2018	Visiting professor, ITACA, Technical University of Valencia, Valencia, Spain
2015 – 2021	Chairman of the board, Research trust of North Norway ("Kometen")
2011 – 2012	Visiting professor, Center for Health and Technology, University of California Davis Health Systems, Sacramento, CA, USA
2010 – 2017	Member, The National Committee for Research Ethics in Science and Technology
2007 – 2015	Director, Tromsø Telemedicine Laboratory, University Hospital of North Norway
2007 – 2013	Board member, Simula Research Laboratory AS, Oslo, Norway
2006 – 2006	Visiting professor, Institut für Medizinische Statistik und Epidemiologie, Technische Universität München, Germany
2005 – 2013	Board member, Norwegian Society for Medical Informatics
2005 – 2013	Vice Dean (for research and education), Faculty of Science, University of Tromsø
2005 – 2006	Chairman, Norwegian Council for Computer Science
2000 – 2015	Adjunct Professor, Norwegian Centre for Integrated Care and Telemedicine, University Hospital of North Norway
1998 – Present	Head of research group, Health Informatics & -Technology Group, Department of Computer Science, University of Tromsø
1996 – 2001	Head of department, Department of Computer Science, University of Tromsø
1995 – 1999	Board member, NORUT IT AS, Tromsø, Norway
1994 – Present	Professor, Department of Computer Science, University of Tromsø
1994 – 1995	Visiting professor, Faculty of Computer Science, University of Twente, Holland
1991 – 1994	Associate Professor, Department of Computer Science, University of Tromsø
1989 – 1991	Assistant Professor, Department of Computer Science, University of Tromsø
1987 – 1989	Research Scholar, Bodo Graduate School of Business, Bodo, Norway

Professional Memberships

1995 – Present	Norwegian Medical Informatics Association
1992 – Present	Member, IEEE CS – The Institute of Electrical and Electronics Engineers
1988 – Present	Member, ACM – Association for the Computing Machinery
1987 – Present	Member, Norwegian Computer Society

Memberships in Academy of Sciences

2016 – Present	Member, Norwegian Academy of Technological Sciences (NTVA)
2001 – Present	Member, North-Norway Academy of Science and Letters (Academia Borealis)

Honors

2014	"Brain Power award," Norwegian Association of Researchers
2014	Best paper, eTELEMED 2014
2013	Most authoritative scholar in 2013 with research funding from Health North Trust.
2005	Best poster Medical Informatics Europe (MIE 2005)
1988	Best paper Scandinavian Conference on Artificial Intelligence (SCAI'88)

C. Contributions to Science

1. Self-management and diabetes

Since the beginning of the millennium, most of my research has been within diabetes, in particular self-management for people with diabetes and electronic disease surveillance. The research on self-management has among others resulted in the development on the Diabetes Diary, a personal health record and diary for people with diabetes type 1 and 2. The app has been used by around 10,000 diabetes patients in Norway and the Czech Republic. (The diary has also been available in English, but the number of users is unknown.) In the diary, patients continuously record their blood glucose level, insulin intake, nutrition (i.e., carbohydrates) and physical activity. Several clinical trials have proved the positive effect on blood glucose regulation. We have also developed a Pebble smartwatch version of the diabetes app. This app was integrated with the smartphone app. Other tools include a juice machine that based on continuous monitoring of the users' blood glucose (BG) level identifies a hypoglycemia and produces the exact amount of juice to reestablish an optimal BG level. We have been particularly interested in the effect of physical activity on the BG level. Another project has focused on the integration of self-recorded data into the patient's electronic health records and visualization of the data. All projects have been done in close collaboration with users/patients, e.g., through focus groups, clinical trials and extensive testing of our new tools. I have been the primary investigator or co-investigator in all of these studies.

- Årsand, E., Olsen, O.-A., Varmedal, R., Mortensen, W., **Hartvigsen, G.** A System for Monitoring Physical Activity Data Among People with Type 2 Diabetes. *Studies in Health Technology and Informatics*, 2008;136:113–118. PMID: 18487717
- Årsand, E., Tataru, N., Østengen, G., **Hartvigsen, G.** Mobile-Phone-based Self-Management Tools for Type 2 Diabetes – The Few Touch Application. *Journal of Diabetes Science and Technology*, 2010, Vol. 4, No. 2, March, 328–336. PMID: 20307393.
- Årsand, E., Muzny, M., Bradway, M., Muzik, J., **Hartvigsen, G.** Performance of the first Combined Smartwatch to Smartphone Diabetes Diary Application Study. *Diabetes Science and Technology Journal* 2015, May;9(3):556–63. PMID: 25591859.
- Tataru, N., Årsand, E., Skovseth, S.O., **Hartvigsen, G.** Long-Term Engagement with a Mobile Self-Management System for People with Type 2 Diabetes. *Journal of Medical Internet Research mhealth and uhealth*, 2013; 1(1):e1. PMID: 25100649.

2. EDMON

The electronic disease surveillance monitoring system (EDMON) is based on continuous input from people with type 1 diabetes. Our objective has been to identify the spread of infections at the very early stages, even before the appearance of the first symptoms. Targeting the vulnerable group of people with diabetes, we have explored the possibility of early detection of infections using an electronic disease surveillance system. This project is a spin-off from the self-management project and uses the continuous recordings of BG, insulin, carbohydrates and physical activity to identify deviations from expected levels that might indicate that a person has been infected. The EDMON system uses continuous recordings of insulin, carbohydrates and blood glucose to detect potential infections. I am the primary investigator (PI).

- Botsis, T., Hejlesen, O., Bellika, J.G., **Hartvigsen, G.** Electronic disease surveillance for sensitive population groups – The diabetes case study. *Studies in Health Technology and Informatics*, 2008;136: 365–370. PMID: 18487758
 - Woldaregay, A.Z., Årsand, E., Walderhaug, S., Albers, D., Mamykina, L., Botsis, T., **Hartvigsen, G.** Data-driven modelling and prediction of blood glucose dynamics: Machine learning applications in type 1 diabetes. *Artificial Intelligence in Medicine* 2019;98(July): 109–134. PMID: 31383477
 - Woldaregay, A.Z., Launonen, I.K., Årsand, E., Albers, D., Holubová, A., **Hartvigsen, G.** Towards Detecting Infections Incidence in People with Type 1 Diabetes Using Self-Recorded Data (Part 1): A Novel Framework for a Personalized Digital Infectious Disease Detection System. *Journal of Medical Internet Research* 2020;22(8):e18911. PMID: 32784178
 - Woldaregay, A.Z., Launonen, I.K., Albers, D., Igual, J., Årsand, E., **Hartvigsen, G.** A Novel Approach for Continuous Health Status Monitoring and Automatic Detection of Infection Incidences in People With Type 1 Diabetes Using Machine Learning Algorithms (Part 2): A Personalized Digital Infectious Disease Detection Mechanis. *Journal of Medical Internet Research* 2020;22(8):e18912. PMID: 32784179
3. *Large scale infrastructure for monitoring self-reported health, lifestyle and biological data*
New technology makes it possible to generate large amounts of self-reported health, lifestyle and biological data. However, the development requires good interfaces to increase and maintain the motivation to use health tools such as apps and sensors. The project addresses continuous monitoring and recording of health data from a large number of people from many different data sources, and over as long time as possible. The infrastructure will contribute to more efficient data collection, better and faster data analysis with advanced AI and machine learning techniques. Both smartphone and smartwatch-based apps, validated health/medical sensor systems and small data sources are input to the analyses. So far, the focus has been on the development of the infrastructure. I am the PI for the technical part of this project.
- Henriksen, A., Hopstock, L.A., **Hartvigsen, G.**, Grimsgaard, S. Using cloud-based physical activity data from Google Fit and Apple HealthKit to expand recording of physical activity data in a population study. *Studies in Health Technology and Informatics*, 2017;245:108–112. PMID: 29295062
 - Henriksen, A., Mikalsen, M.H., Woldaregay, A.Z., **Hartvigsen, G.**, Hopstock, L.A., Mužný, M., Grimsgaard, S. Using fitness trackers and smart watches to measure physical activity in research: A review of consumer wrist worn wearables. *Journal of Medical Internet Research*, 2018;20(3):e110. PMID: 29567635
 - Muzny, M., Henriksen, A., Giordanengo, A., Muzik, J., Grottlund, A., Blixgård, H., **Hartvigsen, G.**, Årsand, E. Wearable sensors with possibilities for data exchange: Analyzing status and needs of different actors in mobile health monitoring systems. *International Journal of Medical Informatics* 2020;133(January):1–8. PMID: 31778885
 - Henriksen, A., Sand, A.-S., Dernas, T., Grimsgaard, S., **Hartvigsen, G.**, Hopstock, L. Succeeding with prolonged usage of consumer-based activity trackers in clinical studies: A mixed methods approach. *BMC Public Health* 20, 1300 (2020). PMID: 32854671

Complete List of Published Works:

<https://wo.cristin.no/as/WebObjects/cristin.woa/g/wa/fres?action=sok&pnr=28043&la=en&sort=ar>
<https://scholar.google.com/citations?user=N43y3nEAAAAJ&hl=no>

The total number of publications during the career: Journals=110, Abstracts in Journals=43, Conference proceedings=127, Abstracts in Conf. proc.=43, Posters=56, Books=3, Books(Editor)=4, Book Chapters=14

D. Additional Information: Research Support and/or Scholastic Performance

Ongoing Research Support

Project: *Effect of physical activity with e-health support in individuals with intellectual disabilities. A randomized controlled study (2017–2023)*
Role: PI of technology-part
Funding: Northern Norway Regional Health Authority (USD 0.4 mill.)

Project: *PIPP: Pre-operative, intramural and post-operative digital communication with patients (2019-)*
Role: Project leader
Funding: University of Tromsø (1 research scholar)

Project: *"HEIR" (A Secure Healthcare Environment for Informatics Resilience) (2020-2023)*
Role: Project member
Funding: European Community's Horizon 2020 Call: H2020-SU-DS-2018-2019-2020 (Digital Security), Topic: SU-DS05-2018-2019. Type of action: RIA

Project: *"WARIFA" (Watching the risk factors: Artificial intelligence and the prevention of chronic conditions) (2021-2024)*
Role: Co-WP leader
Funding: European Community's Horizon 2020 Call: H2020-SC1-DTH-2018-2020 (Digital transformation in Health and Care), Topic: SC1-DTH-02-2020. Type of action: RIA

Completed Research Support

Project: *Tromsø Telemedicine Laboratory (2007-2015) (Centre for research-based innovation)*
Role: Director / Center leader
Funding: Research Council of Norway (USD 15 mill. + USD 25 mill. from partners)

Project: *Moving pre-surgical planning from the hospital to the patient at home through electronic collaboration (eTeam-Surgery) (2013-2017)*
Role: Project leader
Funding: Northern Norway Regional Health Authority (ca USD 1 mill.)

Project: *CADMOS – Connecting Children and Adolescents with Type 1 Diabetes in Rural Areas in North Norway through Mobile Phone-Based Social Video Games (2014-2016)*
Role: Project leader
Funding: Regional Research Fund North-Norway (USD 0,5 mill.)

Project: *Smartphones in Type-2 Diabetes Group Education Programs (2014-2017)*
Role: Project leader
Funding: Northern Norway Regional Health Authority (ca USD 0.4 mill.)

Project: *Impact of Experience Sharing on Type 2 Diabetes Self-Management (2011-2013)*
Role: Project leader
Funding: Northern Norway Regional Health Authority (ca USD 0.3 mill.)

Project: *Renewing Health (REgioNs of Europe WorkINg toGether for HEALTH) (2010-2013)*
Role: Project member
Funding: ICT Policy Support Programme, part of EC's Competitiveness and Innovation Framework Progr.

Project: *"FI-STAR" (Future Internet Social and Technological Alignment Research) (2013-2015)*
Role: Project member
Funding: European Community's Seventh Framework Programme (FP7-2012-ICT-FI)

Project: *Self-help through a mobile ICT tool (2005-2008)*
Role: Project leader
Funding: Northern Norway Regional Health Authority (ca USD 0.35 mill.)

Instructions for a Biographical Sketch
Updated March 2021 – See Guide Notice [NOT-OD-21-073](#)

(located in the SF424 R&R Instructions, G.240 R&R Senior/Key Person Profile Expanded Form)

These instructions apply to Research (R), Career Development (K), Training (T), Fellowship (F), Multi-project (M), and SBIR/STTR (B). Hyperlinks and URLs are only allowed when specifically noted in funding opportunity announcement (FOA) and form field instructions

Who must complete the "Biographical Sketch" section:

All senior/key personnel and [other significant contributors \(OSCs\)](#) must include biographical sketches (biosketches).

[illegible]

Min CV kan, som nevnt
innledningsvis, lastes ned
fra min hjemmeside ved
UiT

Erhøvet / Ansatte / Gunnar Hartvigsen



Professor
Institutt for informatikk
gunnar.hartvigsen@uit.no
+47 77 64 40 49
90657785
Tromsø
Her finner du meg



GUNNAR HARTVIGSEN

Om Forskning og undervisning CV Arbeider i Cristin Vedlegg Her finner du meg

Stillingsbeskrivelse

Gunnar Hartvigsen, ph.d., har siden 1989 vært ansatt ved Universitetet i Tromsø – Norges arktiske universitet (UiT), Fakultet for naturvitenskap og teknologi, Institutt for informatikk (IFI), først som amanuensis (1989-91), deretter som førsteamanuensis (1991-94) og fra 1994 som professor i informatikk. Hartvigsen er leder for forskningsgruppen for helseinformatikk og -teknologi (HIT) (tidligere: medisinsk informatikk og telemedisin (MI&T)) ved instituttet. Hartvigsen er også professor i Forsker 1 ved Helgelandsykehuset HF (2023-). Han var i perioden 2000-2015 professor II ved Nasjonalt senter for samhandling og telemedisin (NST) ved Universitetssykehuset Nord-Norge HF (UNN). I perioden 2016-2017 var han professor II ved Nasjonalt senter for e-helseforskning ved UNN. I perioden 2018-2022 var han ansatt som professor II ved Institutt for helse- og sykepleievitenskap, Fakultet for helse- og idrettvitenskap, Universitetet i Agder (UJA), campus Grimstad, og tilknyttet Senter for e-helse, UJA. Hartvigsen har også vært ansatt som professor II ved Høgskolen i Hedmark (1995-1998) og Høgskolen i Bodø (1998-2005).

Hartvigsen var i perioden 2005-2009 prodekan for forskning og utdanning ved Det matematisk-naturvitenskapelige fakultet, UiT. Han har tidligere bl.a. vært instituttleder, instituttstleder og undervisningsleder ved Institutt for informatikk, UiT. Hartvigsen har omfattende administrativ erfaring fra UiT som leder for en rekke råd og utvalg. I 2004-2006 var han leder for Nasjonalt fagråd for informatikk. I årene 2010-2017 var han medlem av Nasjonal forskningsetisk komite for naturvitenskap og teknologi (NENT). Hartvigsen var fra 2007 til 2015 senterleder for Tromsø Telemedicine Laboratory (TTL), ett av Norges 14 første sentre for forskningsdrevet innovasjon (SFI). I perioden 2024-2025 er han medlem i Kunnskapsdepartementets kompetansebehovsutvalg. Hartvigsen har veiledet 96 mastergrads- og 18 doktorgradsstudenter. Han er for tiden veileder for 4 doktorgrads- og 7 mastergradsstudenter. Han har videre veiledet 7 postdoktorer (ved UNN). Hartvigsen er for tiden mentor for to førsteamanuenser ved UiT. Han har tidligere vært mentor for fire førsteamanuenser tilknyttet UiTs opprykksprogram for kvinner, en universitetslektor, en førstelektor og seks førsteamanuenser ved UJA, og en førsteamanuensis ved Høgskolen i Østfold.

Siden 1992 har han vært medlem av over 100 bedømmelseskomiteer for vitenskapelige stillinger i inn- og utland (Norge, Sverige, Danmark, Finland, Nederland, Tyskland, Canada og USA). Han har vært referer for flere internasjonale konferanser og tidsskrifter. Hartvigsen har videre vært medlem av flere doktorgradskomiteer i Norge, Sverige, Danmark og Nederland. Han har deltatt i flere internasjonale ekspertpaneler for vurdering av store søknader med budsjett på opp mot 500 mill. NOK i Sverige (VINNOVA) og Finland (Academy of Finland og TEKES), bl.a. i 2016 som medlem av et internasjonalt generalistpanel for vurdering av nye kompetansesentre i Sverige (tilsvarende den norske SFI-ordningen i NFR). I 2020 var Hartvigsen medlem av internasjonalt evalueringspanel for Horizon 2020 (Innovative medicines initiative og for Health Sciences).

Hartvigsen har omfattende undervisningserfaring fra BSc, MSc og ph.d. nivå. Han har de siste 20 år bl.a. undervist følgende emner: Telemedicine and e-health systems, Advance telemedicine and e-health systems, Medical Informatics, Electronic health records, User interface design, Management Information Systems, Visual programming, Educational software, Introduction to computer science, Computer graphics, Software engineering, Operating systems, Distributed operating system og Communicating research (for ph.d. studenter i naturvitenskap og teknologi). Hartvigsen har også utstrakt erfaring fra studieadministrasjon fra flere læresteder og har utarbeidet og ledet flere studieprogrammer og emner (kurs).

Hartvigsen ble i 2021 tildelt NOK 6,3 mill. fra DIKU (Direktoratet for internasjonalisering og kvalitetsutvikling i høyere utdanning) for å etablere en erfaringsbasert master i digitale helsetjenester sammen med helsetjenesten i region Helgeland.

Hartvigsen har mottatt en rekke forskningsbevilgninger (grants) fra Norges forskningsråd (Tromsø Telemedicine Laboratory NOK 80 mill, 2007-2014 (+ 160 mill. fra partnere); Context-sensitive systems for mobile communication in hospitals NOK 4,4 mill, 2007-2010; Global Distributed Diary NOK 3,3 mill. 1996-2001; DiPaTo - Distributed Electronic Patient Record NOK 1,1 mill. 2000-2004); Helse Nord (Smartphones in Type-2 Diabetes Group Education Programs, NOK 2,8 mill. 2014-2017; Moving pre-surgical planning from the hospital to the patient at home through electronic collaboration (eTeam-Surgery) NOK 8,1 mill. 2013-2016; Impact of Experience Sharing on Type 2 Diabetes Self-Management NOK 2,5 mill. 2011-2013; Self-help through a mobile ICT tool NOK 2 mill. 2005-2008); Tromsø forskningsstiftelse (Mobile phone-based health information for people with diabetes, NOK 1,2 mill., 2011-2014); Regionalt Forskningsfond Fjordsregion Nord-Norge (CADMIOS, NOK 3 mill, 2014-2016); Horizon 2020

<https://uit.no/ansatte/gunnar.hartvigsen>

Enheten / Ansatte / Gunnar Hartvigsen



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GUNNAR HARTVIGSEN

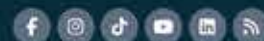
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CV

[CV Gunnar Hartvigsen september 2024 - Norsk](#)

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Unit startpage / Employees / Gunnar Hartvigsen



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GUNNAR HARTVIGSEN

About Research and teaching CV Publications Attachments Find me here

Job description

Gunnar Hartvigsen, PhD, is a professor at the Department of Computer Science, Faculty of Science and Technology, University of Tromsø – The Arctic University of Norway (UIT). He also serves as the Head of the Health Informatics and -Technology group (HIT), formerly known as the Medical Informatics & Telemedicine group (MI&T). Additionally, starting in 2023, Dr. Hartvigsen holds a position as professor (Senior researcher) at The Helgeland Hospital Trust / Helgelandssykehuset HF.

From 2018 to 2022, he was professor at the Department of Health and Nursing Science, Faculty of Health- and Sport Science, University of Agder (UJA), and was affiliated with the Centre for e-health at UJA. Between 2016 and 2017, he served as professor at the Norwegian Centre for eHealth Research, University Hospital of North Norway (UNN). Earlier, from 2000 to 2015, he was a professor at the Norwegian Centre for Integrated Care and Telemedicine (NST) at UNN.

Dr. Hartvigsen earned both his MSc and PhD degrees in Computer Science, specializing in Artificial Intelligence, from UIT. Before his tenure at the Department of Computer Science at UIT, he was a research fellow at the Bodo Graduate School of Business, Norway, from 1987 to 1989. Since 1989, he has held various positions at UIT, including assistant professor (1989-1991), associate professor (1991-1994), and professor (from 1994).

From 2005 to 2009, he was the Vice Dean for research and education at the Faculty of Science, UIT. He has held several honorary posts at the Department of Computer Science, including Head of Department, Vice Head of Department, and Head of Education. He has been a member of several boards and committees at the university, including deputy member of the board at UIT.

Dr. Hartvigsen was the chairman of the Norwegian Council for Computer Science from 2004 to 2006. He was a member of The National Committee for Research Ethics in Science and Technology (NENT) from 2010 to 2017. From 2005 to 2013, he served as a board member of the Norwegian Society for Medical Informatics (FDH and later NorHIT). From 2007 to 2015, he was the director of Tromsø Telemedicine Laboratory (TTL), one of Norway's first centres for research-based innovation (SFI). In the period 2024-2025 he is a member of the Norwegian Committee on Skill Needs ("Kompetansebehovsutvalget").

He has supervised 96 master's students and 18 PhD students. Dr. Hartvigsen is currently supervising or co-supervising 4 PhD students and 7 master's students. Additionally, he has supervised 7 postdoctoral students at UNN. Since 1992, he has served on over 100 adjudication committees for faculty positions across Norway, Sweden, Finland, Denmark, the Netherlands, Germany, Canada, and the USA, and has acted as a referee for numerous conferences, journals, and research councils.

Dr. Hartvigsen has also been a member of several doctoral adjudication committees in Norway, Denmark, Sweden, and the Netherlands. He has participated in international expert panels for the evaluation of large-scale research applications with budgets of up to € 50 million in Sweden (VINNOVA) and Finland (Academy of Finland and TEKES). In 2020, he served on international evaluation panels for Horizon 2020 (Innovative Medicines Initiative) and Health Science.

In recent years, Dr. Hartvigsen has taught courses on Telemedicine and eHealth Systems, Medical Informatics, Electronic Health Records at the Master's and PhD levels, and Software engineering at the Bachelor's level. In addition, he has been teaching/organising several special curriculum courses for PhD students, including doing research and communicating research. Dr. Hartvigsen brings extensive experience in study administration from various universities, including the planning and management of study programs and courses.

In 2021, Dr. Hartvigsen was awarded NOK 6.3 million from DOKU (the Directorate for Internationalization and Quality Development in Higher Education) to establish an experience-based master's program in digital health services in collaboration with the health service in the Helgeland region.

Dr. Hartvigsen has received multiple grants from various organizations, including the Research Council of Norway (Tromsø Telemedicine Laboratory (NOK 240 million, 2007-2014 (NOK 80 million from RCN + approx. NOK 160 million from the partner)); Context-sensitive systems for mobile communication in hospitals (NOK 4.4 million, 2007-2010); DiPato - Distributed Electronic Patient Record (NOK 1.5 million, 2000-2004); and Global Distributed Diary (NOK 3.3 million, 1996-2001). Heise Nord (Smartphones in Type-2 Diabetes Group Education Programs (NOK 2.8 million, 2014-2017); Moving pre-surgical planning from the hospital to the patient at home through electronic collaboration (eTeam-Surgery) (NOK 8.1 million, 2013-2016); Impact of Experience Sharing on Type 2 Diabetes Self-Management (NOK 2.5 million, 2011-2013); Self-help through a mobile ICT tool (NOK 2 million, 2005-2008); Tromsø

<https://en.uit.no/ansatte/gunnar.hartvigsen>



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GUNNAR HARTVIGSEN

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CV

CV Gunnar Hartvigsen September 2024 - English

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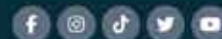
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Writing Applications ▴

CVs

Cover Letters

Application Forms

Academic Applications

References and Referees

CVs

A curriculum vitae (or résumé in the US) is a concise summary of your skills, achievements, and interests inside and outside of your academic work.

Employers may initially spend a very short time scanning your CV (perhaps as little as a few seconds), so it must be able to convey the most relevant points about your skills and experience in a clear, accessible way. In addition, increasingly Applicant Tracking Systems (ATS) are being used by employers to screen the volume of CVs they are

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Standard CV Formats	▼
Resumes for North America	▼
Academic CVs	^

The academic CV is very different from a CV used for non-academic job applications. It focuses purely on your academic achievements and experience, and there is no page limit – although you should always keep it concise and relevant.



Key resource

[Academic CV \(PDF\)](#)

Before you start

First, look at the skills and competencies that the hiring department / research group requires. You can identify these from the person specification, the job advert, or your own research. Is this a research or teaching only job? Or will you be doing research, teaching and administration (typical for lectureships)? Do they highlight any particular skill areas, such as organisation or team work?

Look at what you need to do to apply. CVs are usually accompanied by cover letters, but they might also ask you to submit an application form, research and/or teaching statement.

Once you are clear what the employer wants, start to tailor your CV to the post.

Typical sections

The following sections are typical for the academic CV:

- **Personal Information.** Start the CV with your name, address, telephone number and email address.

Academic CVs

- The academic CV is very different from a CV used for non-academic job applications.
- It focuses purely on your academic achievements and experience, and there is no page limit – although you should always keep it concise and relevant.

Academic CVs

The following sections are typical for the academic CV

- **Personal Information.** Start the CV with your name, address, telephone number and email address.
- **Research Interests.** Write bullet points or a short paragraph summarising your research.
- **Education.** Include degrees, possibly titles of theses, and the names of supervisors.
- **Awards and Funding.** Include undergraduate/postgraduate prizes, travel grants, doctoral scholarships, early career fellowships, and grants you have led on or are named on.
- **Research Experience.** Include any postdoctoral positions or fellowships and research assistant jobs. You might include more detail about your doctoral research in this section too.

Academic CVs

The following sections are typical for the academic CV

- **Teaching Experience.** Note any lecturing, seminar, tutorial, supervising, demonstrating, mentoring experience, and potentially non-academic teaching such as through schools and tutoring. Give details about the role and responsibilities – even if it was informal – such as level of students, class sizes and topics you taught, and whether you designed modules and evaluated impact.
- **Admin Experience.** Highlight any conferences/seminars/reading groups you've organised, committees you have sat upon, and any other relevant administration experience. You may also see this section referred to as 'Academic Responsibilities' or 'Academic Service'.
- **Relevant Training.** Include academic teaching training, research methods training, management skills training etc.

Academic CVs

The following sections are typical for the academic CV

- **Relevant research/technical/laboratory skills.** You may find it useful to list these under one heading if you find yourself repeating them throughout various sections.
- **Patents.** Give details of the title, inventors, patent number and date granted.
- **Professional memberships.** List these – e.g. the Royal Society of Chemistry or the British Association of American Studies. Include dates.
- **Publications.** Give full details as you would if citing them, and use a consistent style. You may wish to highlight (e.g. bold/underline) your name. You may wish to add a 'selected publications' subsection if some are particularly relevant to emphasise.

Academic CVs

The following sections are typical for the academic CV

- **Conference presentations and posters.** Highlight whether paper or poster and cite similarly to your publications with full author list, title, date and location. Subsections can highlight 'invited' contributions.
- **Referees.** Ideally, these should all be academic referees. They should be people who know you well and who are known in your field.

Academic CVs

Top tips

- Make sure the CV is focused on academia. Only include non-academic work experience or extra-curricular activities and interests if you feel they are very relevant to the post you are applying for, but articulate the transferable skills/knowledge involved. You might include languages and IT skills if they are relevant.
- You might include your nationality in your personal details if you think it will be an advantage – e.g. so that they know you have the right to work in that nation.

Academic CVs

Top tips

- If you have limited or no published work, consider including works in progress. Clearly label publications as ‘forthcoming’, ‘under review’ or ‘submitted’ if they are in process, but not yet in print or accepted. If you are unconcerned about giving your ideas away before they go to a publisher, you could have a separate heading for ‘Working Papers’ that you are preparing for publication but have not submitted yet. Include when and where you plan to submit them. Submissions to pre-publication archives can also be listed.
- If you have been invited to give seminars or conference papers, highlight them under a separate heading.
- Translate jargon/acronyms that others might not understand, especially if applying abroad. This includes institution-specific terms and course codes etc.

LAURA NEILL

Department of Plant Sciences, University of Oxford, South Parks Road, Oxford, OX1 6AT, laura.neill@plants.ox.ac.uk

RESEARCH EXPERIENCE

Postdoctoral Research Scientist, Department of Plant Sciences, University of Oxford (2020-2023)

- Investigating genes regulating differentiation, development and photosynthesis in flower development
- Cloning and functional characterisation of novel genes regulating flower development
- Analysis of gene and protein expression during development in mutant and wild-type plants
- Identification and assessment of novel protein function through biochemical methods
- Successful fulfilment of research objectives within grant timelines
- Publishing of scientific papers in peer-reviewed journals to support the research programme
- Regular attendance and presenting of results at national and international meetings to publicise and promote the research

PhD Research, Department of Biology, University of Nottingham (2016-2020)

- Using molecular and biochemical techniques to investigate the role of pectin esterase iso-enzymes, active in cell wall-degradation, during tomato fruit ripening and softening
- Characterisation of wild-type, mutant and transgenic plants, to assess gene function
- Identification and patenting of a gene involved in tomato fruit-softening
- Gaining expertise in a broad range of molecular and biochemical techniques
- Collaborated with ZENECA Plant Science to source GM samples for analysis

RELEVANT RESEARCH SKILLS

- Gene cloning and characterisation e.g. generation of gene libraries, screening, and sequencing of genes
- Analysis of gene expression e.g. microarray generation and analysis, southern northern blots in situ hybridisation
- Use of bioinformatics packages to assist in identification of putative gene function for novel genes e.g. transcription factors
- Assessment of protein function using biochemical methods e.g. hybrid systems, enzyme assays
- Generation and analysis of transgenic plants e.g. via ELISA, western blot

AWARDS

Mabel Pazzoli Postgraduate Scholarship for outstanding progress in research
NERC PhD Studentship Award (£50000) 2016
Nuffield Foundation Undergraduate Studentship Award (£5000) 2012

EDUCATION

University of Nottingham (2016-2020)

PhD Biology: Organisation and expression of pectin esterase isoenzymes in tomato

University of Oxford (2012-2016)

BA (Hons) Biological Sciences 2.1

Tudor Grange School, Solihull (2004-2011)

A Levels in Chemistry (A), Physics (B) & Biology (A); 9 GCSEs

TEACHING EXPERIENCE

Tutor, University of Oxford and Nottingham University (2016-2023)

- Delivering practical and tutorial sessions for courses in Molecular Biology and Developmental Biology for groups of up to 30 undergraduate students
- Responsible for prior-assessment of curriculum, development of suitable resources in collaboration with other presenters, organisation and delivery of sessions and coursework marking and feedback

Mentor/Supervisor, University of Oxford (2020-2023)

- Training junior lab members in practical techniques to ensure competence and personal safety

Demonstrator, The Open University (2020)

- Level 2 course, Plant Physiology Summer School
- Assisting with the delivery of this pre-designed practical course, helping students to run their experiments and analyse the results

ADDITIONAL RELEVANT EXPERIENCE

Assistant Information Officer, ICI Agrochemicals (2013-2012)

- Working as part of a team of four to provide a scientific and commercial information service to more than 200 scientists at an international research centre
- Assisting in the training of scientists in the use of information retrieval tools

Laboratory Assistant, British Gas plc (2011-2012)

- Temporary gap year position, assisting with chemical sample analysis from research pipeline

ADDITIONAL SKILLS & COURSES

Teaching Skills (Level 1) - introduction to teaching and lecturing methods (2 day course; Oxford University, 2016); Supervising DPhil students (Oxford University, 2021)

UK GRAD School (Nottingham, 2019) - a 4 day residential course developing communication, team working, leadership, commercial awareness and problem solving skills through experiential activities with other post-graduate researchers

Microsoft Office: daily use of Microsoft Word (thesis and publications), PowerPoint (conference presentations), Excel (data analysis); FrontPage (lab web design)

MEMBERSHIP OF PROFESSIONAL SOCIETIES

International Society for Plant Molecular Biology 2015-present
Biochemical Society 2016-present

REFEREES

Prof David Thomas, Dept. Plant Sciences, Oxford University, 01865 673124 david.thomas@plants.ox.ac.uk

Prof John Townsend, Nottingham University, 01509 443675, john.townsend@notts.ac.uk

PUBLICATIONS

Neill LN, Matthews S, Thomas J. 2022 Greenfinger, a novel transcriptional regulator of flower development. *Plant Cell*, 20:934-939

Neill LN, Matthews S, Thomas J. 2022 Mutations affecting flower development. In *SEB Symposium 62: Control of Plant Development: Genes & Signals* Eds. James G. and Freer, D., The Company of Biologists Ltd., Cambridge

Neill LN, Thomas JA. 2022 Molecular analysis of greenfinger. *J Exp Bot* 55 Suppl pp.13

Neill LN, Thomas J. 2021 Tanale review # 96: Molecular genetics of flower development. *New Phytologist* 139:533-533

Randall R, Neill LN, Matthews S, Thomas J. 2021 Swirl, a mutation disrupting flower differentiation. *J Exp Bot* 57 Suppl pp. 27

Randall R, Neill LN, Matthews S, Thomas J. 2021 Swirl, a mutation disrupting flower differentiation. *Plant Cell* 20:920-928

Thomas J, Neill LN, Matthews S. 2021. Control of differentiation in flower development. *Proc Royal Soc London Ser B* 450:63-67

Thomas J, Neill LN. 2020 Greenfinger gene action in flower development. *J Cell Biochem Suppl* 31A pp.446

Dray B, Townsend J, Neill LN, Zeneca Ltd. 2019 DNA constructs, cells and plants derived therefrom. US6659121

Dray B, Townsend J, Neill LN, Imperial Chemical Industries, UK 2019 Cloning of pectin esterase cDNA of tomato for altering ripening properties of fruits. WO200313212

Graham P, Neill L, Richards F, Townsend J. 2018 Use of antisense RNA technology to study pectin degradation in tomato fruit. *New Zealand J Hort Crop Sci* 39:119-124

Neill LN, Clive CR, Dray B, Graham P, Townsend J. 2018 Molecular characterisation of cDNA clones representing pectin esterase isoenzymes from tomato. *Plant Molecular Biology* 25: 313-318

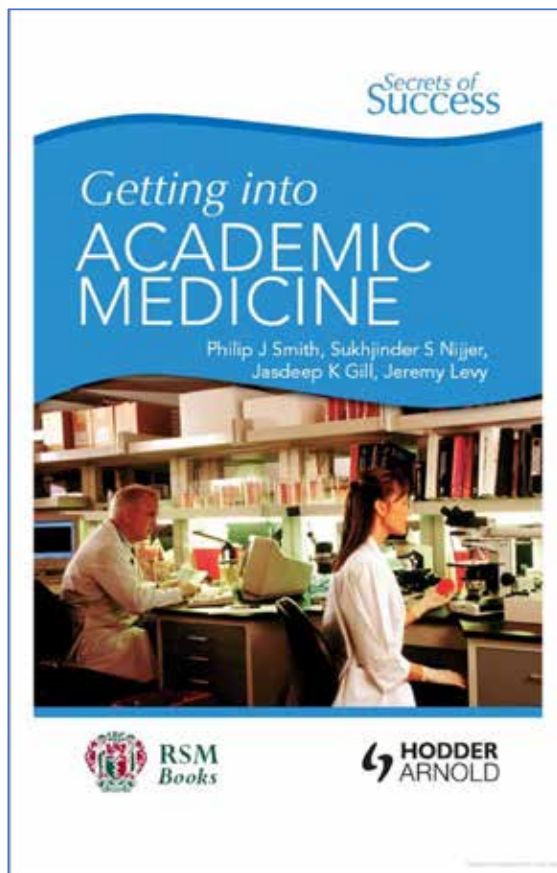
Neill LN. 2016 Organisation and expression of pectin esterase isoenzymes in tomato. PhD thesis, Nottingham University

CONFERENCE PAPERS

Neill LN. Mutations affecting flower development. *SEB Cell Symposium* 2010, University of Durham, 24th - 26th August 2020 (INVITED)

Neill LN. Molecular characterisation of cDNA clones representing pectin esterase isoenzymes from tomato. *Association of Applied Biologists, Royal Botanic Gardens of Edinburgh*, 20th Oct 2019

Eksempel på litteratur hvor Academic CV omtales



Smith, P.J., Nijjer, S.S., Gill, J.K., Levy, J. (2011). *Secrets of Success: Getting into Academic Medicine*. CRC Press.

ISBN 13-978-1-853-15957-2 (pbk)

Academic curriculum vitae

Sukhjinder S Nijjer
Jasdeep K Gill
Jeremy B Levy
Philip J Smith

An academic curriculum vitae (CV) plays an essential role when applying for a higher degree and later to secure clinical lectureship posts and other permanent academic positions. A potential supervisor will certainly ask for your CV to ascertain your past achievements before considering you for a project. You will need to attach your CV to a grant or fellowship application form for funding or when seeking an already funded research post. Therefore your CV is your first opportunity to promote and sell yourself. It must demonstrate your past experience, present academic achievements and more importantly your academic potential.

You must remember that your CV is not a static document. As your experiences and achievements grow, so too should your CV. Take a moment to look at your CV, consider how it could be modified and improved to get you that post, project or funding. This chapter should prompt you to identify gaps on your CV that are commonly assessed during your career in academic medicine.

Structuring your academic CV

The recommended length and format for an academic CV will vary. Often two pages are described as the standard length for a CV at a more junior stage in a career, but there is no 'right' length for an academic CV, and all will depend on where you are in your career, what you are using it for and what you need to demonstrate. There are three distinct styles of academic CV that may be needed in different scenarios. The shorter variants can be attached to certain grant applications to emphasise your background and potential to complete the project proposed, but read any instructions carefully.

- 11. 1-page CVs – Focus on recent grants, papers and prizes with a very brief career summary.
- 22. 2-page CVs – Include the above but also educational achievements and a personal statement.
- 33. Full CVs – Include everything!

Provided you are not including irrelevant details or have been asked to submit only a 1-page CV, then you should not be concerned if your CV extends onto more than 2 pages. Make sure you submit what is asked of you.

You should tailor your CV for the specific post or purpose. This often involves rearranging the order of information presented on the page, but sometimes it can require a rewrite of particular sections to highlight skills that are specifically relevant to your application. For example, you may have previously used an example of audit to demonstrate your teamwork skills, but now need to modify that example to demonstrate your data collection, statistical and analytical skills. Remember, you must always highlight your role and involvement in a project if it involves a team, but you must never lie or exaggerate your involvement.



Beware!

- Never lie or fabricate anything on your CV
- Don't be tempted to use a fancy font or busy layout
- Don't leave the preparation of your CV until the last minute

- Read and re-read your CV before submitting; spelling mistakes and other errors can easily creep in and do not impress

The format of your CV should allow it to be easily read. Its overall design should be individual to you but conservative. Your word-processor may have a wide range of templates for CVs, which can sometimes be mind-boggling and should not generally be used! You should avoid having a busy layout, which may appear to be eye-catching but could distract the reader from your achievements and the actual content of your CV, and will annoy some readers. You must avoid the temptation to use a creative or fancy font that may be difficult for others to read. Common fonts used are Times New Roman or Arial. You should use one font and make use of different font size and bold, underline or italic features to highlight headings or specific information.



Key points

- Use **bold** and *italics* sparsely and appropriately: for example, to draw the readers eye to your contribution on a publication, i.e. Smith AP, *Montgomery LS*, Swan P, Singh A. The change in QTC dispersion affects the likelihood of drug-induced Torsades de Pointes. *J Cardiol* 2010;15:192-6
- Avoid flashy fonts or overly graphical designs. Use a straightforward 'plain'-looking CV that emphasises your academic achievements and potential, rather than an eye-catching but confusing one!

Be cautious in using flamboyant designs and colours. Light greys and black bold reproduces well in laser-printed copies of your CV. Knowing how to use 'tabs' and aligning all the sections is essential: not only will the document be much easier on the eye but it demonstrates your IT prowess. Trainees are often unsure about whether or not to include their photograph as part of their academic CV. This is really a matter of personal choice unless explicitly requested, usually for security reasons of confirming identity. Generally your aim should be to spoon-feed the reader and demonstrate to them that you meet their criteria using your CV. Keep it simple and succinct.

Full CV

The areas to include in a full CV are listed below. You should submit your full CV, unless otherwise specified. The sequence of your CV is important to consider. Your CV should read as a story and highlight chronology of events. Having a clear structure to your CV will help the reader follow the sequence of events.

Your 'full CV' you should include:

11. Front cover (not crucial).
22. Contents page (not crucial especially at an early stage of a career).
33. Personal details.
44. Academic background.
55. Research history.
66. Courses attended.
77. Audit.
88. Teaching.
99. Career summary.

Think carefully about your experiences and achievements. There should be something positive you can write in each section. For example, if you have no publications yet, you could include those in preparation or submitted that are awaiting decision, but you must ensure these are clearly marked as such. The first page of your CV should be high impact if possible and therefore include prizes, grants and major

publications in peer-reviewed journals. If you have to prepare a short CV, then these must be on the first page for impact. This will produce a 'halo effect', where all your further achievements are seen in a positive light.



Key points

- High impact features include:
 - Previous and current grants awarded
 - Papers in peer-reviewed journals
 - Prizes
 - Posters and presentations at conferences
 - Research – current and past including your lab project for your thesis
- Include all high impact features on the front of your CV if possible so they are seen early

Front page

The front page should be simple, with your name and qualifications. Use a large font size, the current date and ensure the CV is up to date (see Example 5.1). You may wish to put 'in application for the post of' to demonstrate that you are organised and have tailored your CV for that particular post (but check this for each submission!) Using last year's CV or having the wrong job title on the front cover will look incredibly poor. Remember that doing research requires organisation and using a systematic approach. Don't fall down on the front page!



Example 5.1

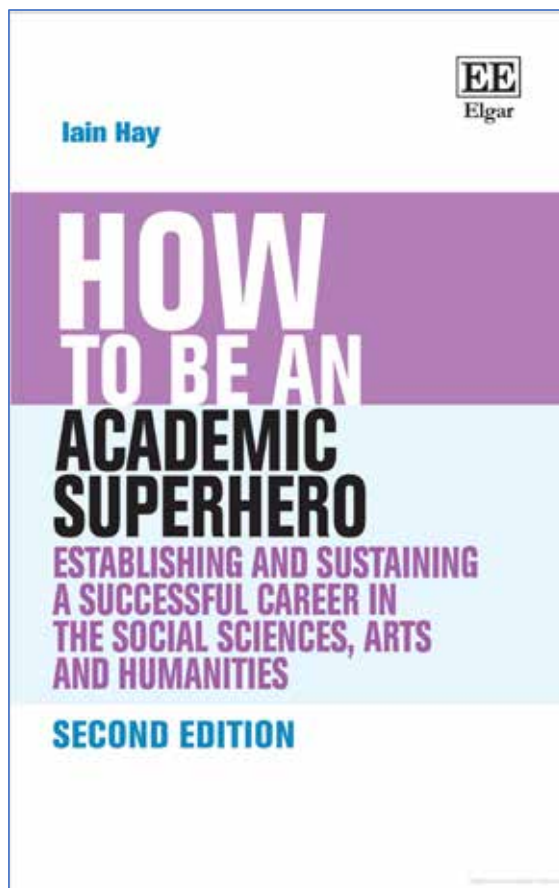


Contents page

Whilst short CVs do not need a contents page, they can be useful in a longer full CV. Create them in a table or use tabs to ensure correct alignment. Some word processors can automate this provided you have been consistent with fonts and styles for headings. Ensure it is up to date when you change your CV. Do not forget to number your pages so that the reader can directly turn to a specific page they may be interested in.

Personal details

Flere bøker ...



Hay, I. (2023). *How to be an Academic Superhero: Establishing and Sustaining a Successful Career in the Social Sciences, Arts and Humanities. 2nd Edition.* Edward Elgar Publishing
ISBN: 9781803929446

5. Prepare a good CV

Across your career you will do a great deal: write papers, give presentations at professional conferences, perform significant and not-so-significant service roles and so on. It is vitally important that you keep a comprehensive and detailed record of these activities (see Box 5.1). This record, your CV (*curriculum vitae*, *vitae*, or *résumé*), can serve as the basis for evidence claims when you respond to criteria associated with promotion, grants and job applications.¹ While your master CV may include details extending to all the professional development classes you have attended or led, and seminars you have presented as well as the more significant items that appear in most forms of your *résumé* (e.g., books written, journal editorial boards), for many purposes such an inclusive document may shroud some of the most relevant matters you wish a grant reviewer or prospective employer to know about you. So, use your master CV as the resource from which you extract details to produce shorter tailor-made *résumés* for specific purposes such as applying for a grant or award or to accompany a book proposal to a publisher. Shape your *résumé* to meet the precise objectives of what is required.

Aside from serving as a record of activity, your master CV can also function as a helpful diagnostic tool for professional development, revealing those areas where you have particular strengths or where some improvement is required. For example, a master CV documenting your achievements against the kind of structure set out in Box 5.1 makes it easy to identify areas where you have an abundance or shortage of evidence of professional performance. Creating a profile in LinkedIn can also reveal areas to which you might give attention in your CV as well as insights to the kinds of evidence of achievement used by other scholars and people in different areas of activity (see Chapter 9 for additional discussion). If appropriate, take remedial action to build on strengths and to fill the gaps. You may also wish to speak to peers and advisers about the structure and content of your CV as a document recording your professional activity. And have look on the web for examples of CVs uploaded by scholars you hold in high regard.

BOX 5.1 SETTING OUT AN EFFECTIVE ACADEMIC CV

Below are some preliminary guidelines on useful and common headings to include in one's CV. (More specific formatting guidance is offered in Box 5.2.) The list is based on many examples plus detailed and helpful advice set out in 'Dr. Karen's rules of the academic CV' (Dr. Karen, 2016) as well as that provided by Elsevier (2023). You may find that some entries relevant to your own specific academic career or the job you are applying for are missing (e.g., journal editorship, country of citizenship). Add these where you think they sit best. In doing this, it may be helpful to consider Dr. Karen's advice that the organizing principle of a CV is peer review and competitiveness. So the categories below may be used to arrange your CV but they need not be presented in exactly the same order as they are set out below. Those roles and activities that are most competitive (e.g., professional appointments) take priority and so, for instance, invited talks take priority over a volunteered conference paper. Notwithstanding this remark, it is customary for the first three sections below to be presented initially and in the order set out here.

Personal details

Begin your CV, of course, with your name, followed by your best postal, electronic and phone contact details. If it is appropriate, add your visa or citizenship status. Then set out content under the following headings:

Education

As with most entries, list your educational qualifications in reverse chronological order (most recent first), specifying the institution and year of completion. There is no need to include the starting date for each degree. If you are a recent graduate, it is useful to include the title of any theses or dissertations. This is less important as the years pass.

Professional appointments/employment

Include any postdoctoral, contract or 'tenured' roles so that any reader can 'place' you institutionally. Give institution, department, title and dates (year only) of employment. Roles as a teaching assistant, research assistant or tutor should not be listed here. These come later in the CV.

Awards, honours and fellowships

List by year, giving the name of the honour and the awarding organization.

Publications

This is a key part of any academic CV but after some years it is possible that

the list of publications grows so large as to make the subsequent parts of the CV difficult to locate. If you find yourself in this position, consider alternative presentation strategies such as listing key publications in the CV and adding a comprehensive list of publications as an appendix or supplementary file. Increasingly, measures of publication 'impact' are being woven into this section of CVs. For instance, some people preface their full publications list with details of their h-index, i10-index, total citations, or other such metrics. And some include with each publication details such as total sales (for books) or the publishing journal's impact factor or Q-ranking. Publications are most commonly listed under subheadings in the following order:

1. books;
2. edited volumes;
3. refereed journal articles;
4. book chapters;
5. conference proceedings;
6. book reviews;
7. manuscripts in submission (include journal title);
8. manuscripts in preparation;
9. web-based publications;
10. other publications and output (e.g., patents, newspaper commentaries).

Grants

Listed by year in reverse chronological order. Include the name of the funder and grant name. Whether the amount of the grant is included depends on one's discipline but it seems increasingly common and important to state the amount received.

Invited talks

This refers only to talks at places other than your own university. These should include, in order, the talk's title, the event (if appropriate), the location and the date (including day and month).

Conference activity/participation

These are most commonly listed under subheadings in the following order:

1. conferences organized;
2. panels organized;
3. papers presented;
4. discussant.

Entries include year, name of the paper, name of the conference and date range of the conference (e.g., 20–23 May).

Campus and departmental talks

List these as you would for invited talks, being sure not to include guest lectures in courses. That is generally regarded to be padding out your CV.

Teaching experience

If you have taught at more than one institution, set out details of your teaching experience under subheadings for each institution. Unlike other entries, list courses by title, not year. However, to the right of the course name, include the years taught. This allows you to show how often you have taught a course without having to state the course name repeatedly. It may be appropriate to include some brief statement as to whether you were the course designer or convenor, especially if you are an early-career academic. There is no need to list course codes/numbers as these typically mean little outside your home institution.

Research experience

Here you can include experience as a research assistant or laboratory assistant. Unlike most other entries in your CV, there is some scope for single-sentence elaboration of the project you were involved in.

Service to the profession

List roles serving professional organizations. Depending on how significant it is as an element of your work, add a subheading under which you record journal manuscript review work. List the names of the journals for which you have served as a referee.

University service

Include work on committees, departmental reviews, appointments to university senate and so on.

Extracurricular service (optional)

This might include contributions to service and sports clubs, for example, where appropriate.

Community involvement or outreach (optional)

Include matters such as work with boards, local councils or public lectures.

Media coverage (optional)

Include television and radio interviews or press stories based on your work.

Related professional skills (optional)

Here you might refer, for example, to specific technical skills or expertise in discipline-specific software.

Languages (optional)

List these with some indication of proficiency. For example:

- English: native language.
- French: intermediate (speaking, reading); basic (writing).
- Spanish: fluent (speaking, reading, writing).

Professional memberships/affiliations

This should include all organizations you belong to, including the year of joining as a marker of your commitment to the field.

References (optional)

Provide, without elaboration, the postal, email, web and phone addresses for your referees. This will usually be about three people, each of whom should have consented to be a referee. In the early stages of your career it is usual to include your PhD adviser in this list. Later it may be useful or important to include someone with employment-related supervisory responsibilities over you (e.g., your dean or vice-chancellor). Consider other referees carefully, thinking about those aspects of your professional life (e.g., teaching, research) that they can comment on as well as the balance of referees. It can be helpful to have referees from different institutions. Keep referees informed about any positions you are applying for and give them a copy of your CV.

There are many useful examples of academic CVs available on the web. But when looking for these, be aware that academic CVs differ in style and content from those in many other fields.

BOX 5.2 FORMATTING A CV – SOME HELPFUL GUIDELINES

- 2.5 cm (1 inch) margin on all four sides.
- 12-point font throughout.
- Single spaced.
- No switching of font sizes for any part of the CV, except perhaps your name at the top of the first page. This might be in 14 or 16 point.
- Headings in bold and all capital letters.
- Subheadings in bold only.
- No italics of any kind except for journal and book titles.
- One or two blank lines before each new heading.
- One blank line between each heading and its first entry.
- Left justify all elements of the CV. Do not fully or right justify any part.
- Do not use bullet points.
- No 'box' or column formatting. This obstructs the frequent adjustments and additions you will need to make to a dynamic CV.
- The year of every entry should be left justified with a tab or indent separating the year from the substance of the entry.
- There is no need for any narrative to describe components of your CV. This includes, for example, duties or responsibilities or paragraphs describing books, other projects or personal experiences.
- Put your name at the top of the CV, centred, in 14- or 16-point font. This will be one of the very few elements of your CV that is not in 12 point or left justified.
- Include the date of your CV immediately below your name.
- Then follows your best postal, phone and electronic contact details.

Source: Adapted from 'Dr. Karen's rules of the academic CV' (Dr. Karen, 2016).

Be sure that your CV is accurate and error-free. Do not misrepresent your achievements. Egregious misrepresentations will almost inevitably catch up with you. For instance, a dean of admissions at Massachusetts Institute of Technology (MIT), was forced to resign her post after it was discovered she had lied about having a number of academic degrees 28 years earlier: 'Ms. Jones had on various occasions represented herself as having degrees from three upstate New York institutions. In fact, she had no degrees from any of those places, or anywhere else' (Lewin, 2007). In Texas, a Houston Catholic business school dean was forced to resign in disgrace from his University of St Thomas position after allegedly lying about several degrees. He had asserted that he earned a doctorate from a university in his native Italy that does not offer PhDs and the college from which he claimed he received a Bachelor's degree was a high school (Guzman, 2022). And while misrepresentations in your CV may not get you sacked, they are likely to upset or anger colleagues whose support you need.

Your CV must also be free of obscure language, abbreviations and course codes that may mean little to readers (e.g., tripos, Michaelmas, DoS, FHASS, HIST1002). It should, of course, be well presented, though not lurid and garish. First impressions count, and the first impression that some colleagues and most potential employers will have of you is going to be based on your CV. Represent yourself as someone who is well qualified, well organized and capable of 'sorting the wood from the trees'. Your CV needs to set out your relevant credentials in a clear and legible fashion (Box 5.2). To overdo things through excessive detail or design extravagance may suggest to a reader that you either have way too much time on your hands or a narcissistic personality disorder!

Spørsmål?

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