

## CURRICULUM VITAE

### GUNNAR HARTVIGSEN

*Professor, Department of Computer Science, Faculty of Science and Technology,  
University of Tromsø – The Arctic University of Norway*

Gunnar Hartvigsen, PhD, has been affiliated with the University of Tromsø – The Arctic University of Norway (UiT) since 1989. He is Professor of Computer Science at the Department of Computer Science, Faculty of Science and Technology, where he served as Assistant Professor from 1989 to 1991, Associate Professor from 1991 to 1994, and Professor since 1994. He also leads the Health Informatics and -Technology (HIT) group, formerly the Medical Informatics & Telemedicine (MI&T) group.

From 2023 to 2025, Dr. Hartvigsen served 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 (UiA), where he was also affiliated with the Centre for eHealth. Between 2016 and 2017, he held a professorship at the Norwegian Centre for eHealth Research, University Hospital of North Norway (UNN). Earlier, from 2000 to 2015, he was 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 Bodø Graduate School of Business, Norway, from 1987 to 1989.

From 2005 to 2009, Dr. Hartvigsen served as Vice Dean for Research and Education at UiT's Faculty of Science. He has also held several academic leadership roles at the Department of Computer Science, including Head of Department, Deputy Head of Department, and Head of Education. In addition, he has served on numerous boards and committees, including as a deputy member of the UiT board.

Dr. Hartvigsen chaired the Norwegian Council for Computer Science from 2004 to 2006 and 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 on the board of the Norwegian Society for Medical Informatics (FDH, later NorHIT). He was the Director of the Tromsø Telemedicine Laboratory (TTL), one of Norway's first 14 centres for Research-based Innovation (SFI), from 2007 to 2015. During 2024-2025, he was a member of the Norwegian Committee on Skill Needs ("Kompetansebehovsutvalget"). Since 2026, he has been a member of the National Commission for the Investigation of Research Misconduct.

Dr. Hartvigsen has supervised 106 master's students, 18 PhD candidates, and seven postdoctoral students. He currently supervises or co-supervises four PhD students and two master's students. Since 1992, he has served on more than 100 assessment committees for academic positions in Norway, Sweden, Finland, Denmark, the Netherlands, Germany, Canada, and the United States. He has also acted as a reviewer for numerous conferences, journals, and research councils.

He has served on doctoral assessment committees in Norway, Denmark, Sweden, and the Netherlands, and has participated in international expert panels evaluating major research applications with budgets of up to €50 million for VINNOVA in Sweden and Academy of Finland and TEKES in Finland. In 2020, he served on two international evaluation panels for Horizon 2020, including Innovative Medicines Initiative and Health Science.

In recent years, Dr. Hartvigsen has taught courses in telemedicine and eHealth Systems, medical informatics, digital home-care services, and software engineering at bachelor's, master's, and PhD levels. He has also developed and organized several PhD-level special-curriculum courses, including courses on conducting and communicating research. In addition, he has extensive experience in study administration from various universities, including the planning and management of academic programs and courses.

In 2021, Dr. Hartvigsen was awarded € 573,000 [NOK 6.3 million] from the Directorate for Internationalization and Quality Development in Higher Education (DIKU) to establish an experience-based master's program in digital health services in collaboration with health-service providers in the Helgeland region.

Dr. Hartvigsen has received multiple grants from various organizations, including the *Research Council of Norway* {Tromsø Telemedicine Laboratory (€ 21.82 mill. [NOK 240 mill.], 2007-2015 (divided into € 7.27 mill. [NOK 80 mill.] from RCN + approx. € 14.55 mill. [NOK 160 mill.] from the partners)); Context-

sensitive systems for mobile communication in hospitals (€ 400 000 [NOK 4.4 mill.], 2007-2010); DiPato - Distributed Electronic Patient Record (€ 136 000 [NOK 1.5 mill.], 2000-2004); and Global Distributed Diary (€ 300 000 [NOK 3.3 mill.], 1996-2001)}, *Helse Nord* {Smartphones in Type-2 Diabetes Group Education Programs (€ 255 000 [NOK 2.8 mill.], 2014-2017); Moving pre-surgical planning from the hospital to the patient at home through electronic collaboration (eTeam-Surgery) (€ 736 000 [NOK 8.1 mill.], 2013-2016); Impact of Experience Sharing on Type 2 Diabetes Self-Management (€ 227 000 [NOK 2.5 mill.], 2011-2013); Self-help through a mobile ICT tool (€ 182 000 [NOK 2 mill.], 2005-2008)}, *Tromsø forskningsstiftelse* {Mobile phone-based health information for people with diabetes (€ 109 000 [NOK 1.2 mill.], 2011-2014)}, *Regional Research Fund North-Norway* {CADMOS – serious games for children with diabetes (€ 273 000 [NOK 3 mill.], 2014-2016)}, *Horizon 2020* {WARIFA (€ 710 000, 2021-2024)}. At UNN, Dr. Hartvigsen has contributed to several EU projects, including Renewing Health (2010–2013), FI-STAR (2013–2015), and HEIR (2020-2023).

Dr. Hartvigsen's research interests span various aspects of telemedicine, medical informatics and digital health. His work includes 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; human-computer interaction for mobile systems; digital patient communication; context-sensitive communication; physical activity sensors; m-health applications for people with intellectual disabilities; telemedicine systems for private homes; and motivational mechanisms in e-health.

His international experience includes sabbatical leave at the University of Twente, Faculty of Computer Science, the Netherlands, from 1994 to 1995, and the Faculty of Medicine, Munich University of Technology, Germany, and the Department of Health Science and Technology at Aalborg University, Denmark, in 2006. He served as Visiting Professor at the University of California, Davis, from September to December 2011 and from April to July 2012. He also served as Visiting Professor at the Technical University of Valencia, Spain, from 2017 to 2018; at Karolinska Institutet in Stockholm, Sweden, from 2021 to 2022; and at Aalborg University, Denmark, in June 2022.

Dr. Hartvigsen has an extensive scientific output. He has authored three books: “The Researcher’s Handbook”, “Computer Ethics” and “Lessons learned from 25 years with telemedicine in Northern Norway” (the last book is available in both English and Russian editions). He has also authored more than 400 scientific papers and reports covering a wide range of topics including telemedicine, electronic disease surveillance, electronic health records, 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 1,000 contributions in the Norwegian Research Information Repository.

Through extensive international cooperation, Dr. Hartvigsen has co-authored publications with more than 150 researchers worldwide, including colleagues affiliations with the University of Washington, Seattle, USA; Illinois Institute of Technology, Chicago, USA; University of California, Davis, USA; University of Texas Health Science Center, Houston, USA; Columbia University, New York, USA; Johns Hopkins University, Baltimore, USA; Technische Universität München, Germany; Technical University of Valencia, Spain; University of Geneva, Switzerland; Aalborg University, Denmark; and Karolinska Institutet, Sweden.

Dr. Hartvigsen has been a *member of Academia Borealis, Northern Norway Academy of Science*, since its inception in 2001. In 2016, he was elected as a *member of the Norwegian Academy of Technological Sciences (NTVA)*. In 2024, Hartvigsen was appointed a *Fellow of the International Academy of Artificial Intelligence Sciences (AAIS)* in recognition of his work in telemedicine and medical informatics.

In 2014, he received the “hjernekraft pris” (Brainpower Award) from Forskerforbundet’s (the Norwegian Association of Researchers) in recognition of his contribution to self-help systems for treating people with diabetes. Dr. Hartvigsen is featured in the “Biographical Lexicon of Medical Informatics” (2015) and is listed in “Who's Who in Ethics” (Global Ethics Observatory, unesco.org).

He has been invited to speak on telemedicine and eHealth in Norway, Sweden, Denmark, Greenland, Germany, France, the UK, Spain, Italy, Poland, Russia, the Czech Republic, the United States, and Australia.

According to Google Scholar, Dr. Hartvigsen has an h-index of 39 and an i10-index of 98. His publications have received more than 7,300 citations, including more than 3,400 citations since 2021.

## 1. PERSONAL DETAILS

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

ORCID [orcid.org/0000-0001-8771-9867](https://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)  
 1986-1987 M.Sc. in Computer Science, University of Tromsø, Norway (90 ECTS)  
 1987-1992 Ph.D. in Computer Science, University of Tromsø, Norway<sup>1</sup> (180 ECTS)

## 3. ACADEMIC EMPLOYMENT

1987-1989 **Research scholar**, Bodø 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<sup>2</sup>  
 1995-1998 **Professor II**<sup>3</sup>, Hedmark College (part time)  
 1998-2001 **Professor II**, Bodø University College (part time)  
 2000-2015 **Professor II**, Norwegian Centre for Integrated Care and Telemedicine, University Hospital of North Norway (part time)

<sup>1</sup> PhD dissertation defended 1<sup>st</sup> December 1992.

<sup>2</sup> 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.

<sup>3</sup> “Professor II” is often a 20% non-tenured position.

- 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)  
 2023-2025 **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, 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.  
 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 university teaching, Univ. of Tromsø, Spring-2008 - Fall-2009.  
 Member, Forum for quality in education (FUK), Univ. of Tromsø, Spring-2006 - Spring-2007.  
 Member, The complaints commission for student affairs, Univ. of Tromsø, 2008; 2011- 2013.  
 Member, Interim board, Faculty of Science and Technology, Univ. of Tromsø, Spring-2009.  
 Adjunct member, Board, Department of Computer Science, UiT. Fall-2009 - Spring-2013.  
 Member, Senior lecturer program (førstelektor-program) at UiT, Fall-2009 -Fall-2020.  
 Member, Board of education, Faculty of Science and Technology, UiT, Spring-2019–Spring-2020.  
 Member, The Priority Committee [for innovations' grants] (Prioriteringsutvalget), UiT, Spring-2023-  
 Deputy, board, Faculty of Science and Technology, UiT, 2026-2029.

#### COMMITTEES REPRESENTATIVE (UiT)

Chairman, Computer Ethics committee, Department of Computer Science, 1990.  
 Chairman, Revision of study program in Master of Eng., Univ. of Tromsø, Fall-1996.  
 Member, Interim board for telemedicine studies at University of Tromsø, Spring-2000 - Spring-2004.  
 Member, Program committee for MSc program in bioinformatics, Spring-2003 - Fall-2003.  
 Member, Working group for net-based education at UiT, Spring-2010.  
 Member, Working group for guidelines of social media at UiT (“Guidelines for bruk av sosiale medier ved Universitet i Tromsø – UiT”), Spring-2010.  
 Member, Committee for joint MSc degree in health technology at University of Tromsø and Narvik University College (HIN), Spring-2012. (1<sup>st</sup> committee)  
 Member, Committee for making the curriculum to the joint MSc degree in health technology at University of Tromsø and Narvik University College (HIN), Spring-2013. (2<sup>nd</sup> committee)  
 Member, Project “GDPR ny 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 (“Utarbeiding 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 (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)  
 Committee for Assessment of Applications for Merited Teaching, UiT, Spring-2024, Spring-2025, and Spring-2026.

#### 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), Tromsdalen 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) 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 Fornebu, 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 komite for naturvitenskap og teknologi), 2010-2013, 2014-2017. (etikkom.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, (Kompetansebehovsutvalget<sup>4</sup>), Ministry of Education and Research, 2024-2025.  
 Deputy member, National Commission for the Investigation of Research Misconduct, 2026-2029.<sup>5</sup>

#### 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 helsenett), Spring-2001 - Spring-2002. (Deputy board member)  
 Simula Research Laboratory AS, Oslo, Spring-2007 - Spring-2013.  
 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.

<sup>4</sup> 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.)

<sup>5</sup> Deputy members participate in the same way as ordinary members at all committee meetings.

**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 Committee ("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 Borealis – The North-Norwegian Academy of Science and Letters, Spring-2022–Fall-2025.

Better Balance in Informatics (BBI), 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**

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

NOKUT (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 four Danish universities, Spring-2008.

Chairman, Steering committee, Aurora Innovates: Transforming Healthcare Education through XR and AI (XRHealthEdu), EU-funding: Interreg Aurora, 2025-2028.

**7. PROFESSIONAL MEMBERSHIPS**

IMIA – International Medical Informatics Association

NorHIT<sup>6</sup> – Norwegian Medical Informatics Association

Dataforeningen – Norwegian Computer Society (Since 1987)

ACM – Association for the Computing Machinery (Since 1988)

IEEE CS – The Institute of Electrical and Electronics Engineers, Computer Society (Since 1992)

International Academy of Artificial Intelligence Sciences (AAIS), **Fellow** (Since 2024)<sup>7</sup>

**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)

<sup>6</sup> In 2011, FDH – Norwegian Medical Informatics Association, became NorHIT, a subgroup within the Norwegian Computer Society.

<sup>7</sup> Until 2026: The Asia-Pacific Artificial Intelligence Association (AAIA)

## 10. COURSES (COMPLETED)

- “Assignment Leader - on the art of becoming a better center manager” (“Uppdrag Ledare – om konsten att bli en bättre centrumföreståndare”), 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”),<sup>8</sup> 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”),<sup>9</sup> 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. (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)
- 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)

<sup>8</sup> 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.

<sup>9</sup> 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.



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)  
 Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2002.  
 Assoc. Prof., Institutt for forvaltningsinformatikk, 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., Nesna 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)  
 Research Scholar, Østfold University College, Fall-2005.  
 Assoc. Prof., Dept. of Computer Science, University of Oslo, Spring-2005.  
 Assoc. Prof., Tromsø University College, Fall-2005. (Chairman)  
 Assoc. Prof., IDI, NTNU, Fall-2008.  
 Prof. / Assoc. prof. in ICT, Fakultet for teknologi og realfag, University of Agder, Fall-2010.  
 Adj. Assoc. prof. in information technology (Førsteamanuensis II i informasjonsteknologi), Østfold University College, Fall-2012.  
 Dosent, North University (Nord Universitet), Campus Nesna, Spring-2016.  
 Postdoctor, Dept. of Computer Science, Univ. of Tromsø, Spring-2016. (Chairman)  
 Professor, Nord Universitet, campus Steinkjer, Fall-2016. (Chairman)  
 Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Fall-2016. (Chairman)  
 Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Spring-2017. (Chairman)  
 Professor in Informatics/Digitalization, Molde University College (Høgskolen i Molde), Fall-2018. (2 positions) (Chairman)  
 Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Fall-2018/Spring-2019. (Chairman)  
 Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Fall-2019. (Chairman)  
 Research Scholar, Dept. of Computer Science, Univ. of Tromsø, Fall-2019-Spring-2020. (Chairman)  
 Researcher, Dept. of Computer Science, Univ. of Tromsø, Spring-2021. (Chairman)  
 Professor II / Associate professor II in Ethics and Law of Data Science at Department of Data Science, Faculty of Science and Technology, Norwegian University of Life Sciences (NMBU), Spring-2022.  
 Dosent, Dept. of Computer Science, Univ. of Tromsø, Fall-2025.

#### COMPUTER SCIENCE – NATIONAL COMMITTEES

Norwegian committee for professorships in Computer Science, 2002-2005:  
 2002: 7; 2003: 3; 2004: 3; 2005: 7  
 Norwegian committee for professorships in Computer Science, 2024-2027:  
 2024: 5; 2025: 14

#### MEDICAL INFORMATICS

Assoc. Prof in telemedicine, Faculty of Medicine, Univ. of Tromsø, Fall-2003.  
 Prof. in medical informatics, Linköpings Tekniska Högskola, Sweden, Spring-2004.  
 Assoc. Prof in telemedicine – medicine and health, Faculty of Med., Univ. of Tromsø, Spring-2005.  
 Assoc. Prof in telemedicine – technology, Faculty of Medicine, Univ. of Tromsø, Spring-2005.

Research Scholar in Medical Informatics, Dept. of Computer Science, Univ. of Tromsø, Spring-2007.  
(Chairman)

Professor in Medical Informatics, Dept. of Computer Science, Univ. of Tromsø, Fall-2007. (Chairman)

Professor in Medical Informatics, Biomedical Sciences and Engineering, Aalborg University, Denmark, Fall-2007.

W2-Professorship in Medical Informatics, Universität zu Lübeck, Germany, Fall-2008 (external expert advisor)

Professor in Medical Informatics, Københavns Universitet, Denmark, Fall-2008.

Professor in Medical Informatics, University of Bergen, Fall-2010.

Assoc. prof. in Health informatics, Fakultet for Helse- og idrettsfag, University of Agder, Fall-2010.

Professor in Bio and Health Information Mining, Department of Information Technology, Faculty of Mathematics and Natural Sciences, University of Turku, Finland, Spring-2012.

Assistant professor in medical informatics, Department of Health Science and Technology, Aalborg University, Spring-2012.

Assistant professor in medical informatics, Department of Health Science and Technology, Aalborg University, Fall-2012.

Docentship in medical technology, Department of Signal Processing, Tampere University of Technology, Finland, Fall-2012.

Associate Professor in Biomedical Engineering, Medical Informatics or Sports Science. The Faculty of Engineering and Science and the Faculty of Medicine Aalborg University, Denmark, Fall-2014.

Assistant Professor in Biomedical Engineering, Medical Informatics or Sports Science. The Faculty of Engineering and Science and the Faculty of Medicine Aalborg University, Denmark, Fall-2014.

Assoc. prof./Ass. Prof. (førstelektor/universitetslektor) in ICT og eHEALTH, Faculty of Engineering and Science, University of Agder, Spring-2015.

Postdoc in eHealth, Faculty of Health and Sport Sciences, University of Agder, Spring-2016.

Professor of Practice (POP) in Healthcare Information Systems, Faculty of Medicine, University of Oulu, Finland, Spring-2017.

Assoc. prof./senior lecturer (førsteamanuensis/førstelektor) in health- and nursing science (occupational research), Faculty of Health and Sport Science, University of Agder, Fall-2017 (campus Grimstad).

Assoc. prof./senior lecturer (førsteamanuensis/førstelektor) in health- and nursing science (occupational research), Faculty of Health and Sport Science, University of Agder, Fall-2017 (campus Kristiansand).

Assoc. prof./senior lecturer (førsteamanuensis/førstelektor) in health- and nursing science (mental health), Faculty of Health and Sport Science, University of Agder, Fall-2017 (campus Kristiansand).

Assoc. professor, Duke University, NC, USA, Fall-2017.

Adjungerende lektor (adjunct assoc. prof.) in medical informatics, Institut for Medicin og Sundhedsteknologi (Department of Health Science and Technology), Aalborg Universitet, Denmark, Spring-2018.

Professor, Department of Public Health, Karolinska Institutet, Stockholm, Sweden, Fall-2018.

Adjunkt i medicinsk informatik, Institut for Medicin og Sundhedsteknologi (Department of Health Science and Technology), Aalborg Universitet, Denmark, Spring-2019.

Full professor, Dalla Lana School of Public Health, University of Toronto, Canada, Fall-2019.

Assoc. prof./senior lecturer/lecturer (førsteamanuensis/førstelektor/universitetslektor) in health- and nursing science (old age welfare services), Faculty of Health and Sport Science, University of Agder, Spring-2019 (campus Grimstad).

Research Scholar in health science, Faculty of Health and Sport Science, University of Agder, Spring-2020.

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.  
Adjunct Professor at the Department of Health Science and Technology, Aalborg University, Spring-2025.  
Associate Professor, Department of Computer Science, Aalto University, Finland, Fall-2026.

#### 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. PHD EVALUATION COMMITTEES

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.  
Dr.ir., Faculty of Computer Science, University of Twente, The Netherlands, Fall-1999.  
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. (Member of betygsnemd)  
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, Sweden, Spring -2025.  
(Member of betygsnemd)  
PhD, Dept. of Computer Science, University of Tromsø – The Arctic University of Norway, Spring-2025.  
PhD, Dept. of Computer Science, University of Tromsø – The Arctic University of Norway, Fall-2025.

#### 13. INVITED KEYNOTES

“Telemedicine in homes”, Invited lecture at Nordisk el-installatørkongress (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 telemedicine. (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 sykdom”), (2 December 2010, Copenhagen, Denmark). Organiser: Nordisk ministerråd og Sunhedsstyrelsen.
- “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, Naryan-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. Kladruby Symposium on Interdisciplinary Neurorehabilitation (with international attendance). Focus on Innovative Technology, Treatment Management, Telemedicine and Supervisory Therapeutic Systems (Kladruby, 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 helseteknologi – etiske implikasjoner for medisinsk og helsefaglig forskning”), 45 min. invited lecture during the Grand Joint Meeting of REC and NEM (Storfellesmøte for REK 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 Grimstad-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, Bodø, Norway).
- “Lessons learned from Silicon Valley?”. NOKOBIT'97 (11-13 June 1997, Bodø, 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 Asian 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, Bodø, 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)
- “A telecare infrastructure for private homes”, 4th Nordic Congress on Telemedicine (Nortelemed 2002) (30.9-2.10.2002, Tromsø, Norway)
- “Empowering the patient: How to provide patients with personalized medical information” Nordic Congress on Telemedicine (Nortelemed 2002) (30.9-2.10.2002, Tromsø, Norway)
- “Symbo email for small children”, NIK'02 (25-27 November 2002, Kongsberg, Norway).

- “Using discharge letters and context representation in information retrieval of medical literature”. MIE 2003 (5-8 May 2003, Saint-Malo, France).
- “An electronic health record-based system for automatic monitoring and control of medication.” ICICTH 2003 (11-13 July 2003, Samos, Greece).
- “EHR in Telehomecare”. TTC2003 workshop on “New Trends in Electronic Health Records”, 1st Tromsø Telemedicine Conference (TTC2003) / 8th International Conference on the Medical Aspects of Telemedicine (14 September 2003, Tromsø, Norway).
- “Automatic Monitoring and Control of Medication”. 1st Tromsø Telemedicine Conference (TTC2003) / 8th International Conference on the Medical Aspects of Telemedicine (15-17 September 2003, Tromsø, Norway).
- “My home is my hospital”, Seminar on Smart systems - safety or prison? (17-18 November 2003, Tromsø, Norway).
- “SymboPaD – A Symbol-based Patient Diary for Children.” Second Tromsø Telemedicine and eHealth Conference (TTeC2004) (21-23 June 2004, Tromsø, Norway).
- “PanDa – A Patient Diary for Control with Medication.” Second Tromsø Telemedicine and eHealth Conference (TTeC2004) (21-23 June 2004, Tromsø, Norway).
- “My Home is my Hospital.” Second Tromsø Telemedicine and eHealth Conference (TTeC2004) (21-23 June 2004, Tromsø, Norway).
- “Integration of Sensor data in PanDa Patient Diary.” Second Tromsø Telemedicine and eHealth Conference (TTeC2004) (21-23 June 2004, Tromsø, Norway).
- “The Oncological Nurse Assistant: A Web-Based Intelligent Oncological Nurse Advisor.” 11th World Congress on Medical Informatics (MEDINFO 2004) (7-11 September 2004, San Francisco, USA). (By co-author)
- “Telemedicine in private homes”, National Conference on “More time to caring” (“Mer tid til omsorg”) (14-16 September 2004, Svolvær, Norway).
- “My home is my hospital: Telemedicine systems in private homes”, Dyrøyseminaret 2004 (National conference) (20-21 September 2004, Brøstadbotn, Norway).
- “SNOW Agents: Simple Network Of Working agents.” HelsIT 2004 (22-23 September 2004, Trondheim, Norway). (By co-author)
- “My home is my hospital: Telemedicine systems in private homes”, Ministry of Health and Social Affairs’ dialogue meeting on a new white paper (“Helse- og omsorgsdep.’s dialogkonferanse i fb med ny stortingsmelding”) (15 March 2005, Trondheim, Norway).
- “My Own Hospital: Turning Private Homes into Hospitals.” IAHSa Sixth International Conference: Creative Solutions for an Ageing Society: Sharing the Wisdom. (IAHSa 2005) (27-29 June 2005, Trondheim, Norway).
- “Leaving nineteenth-century understanding of documents.” The International Document Summer School '05 (27 June - 3 July 2005, Tromsø, Norway)
- “A wearable eHealth system for people with Type 2 diabetes.” SHI 2005 (25-26 August 2005, Aalborg, Denmark). (By co-author)
- “Using blood glucose data as an indicator for epidemic disease outbreaks.” MIE 2005 (28-31 September 2005, Geneva, Switzerland). (By co-author)
- “Patents = A foreign word on P in ICT R&D”, Seminar on IPR, Forskningsparken i Tromsø (28 September 2005, Tromsø, Norway).
- “Tromsø telemedicine experiment”, VK-based lecture in postgraduate collegium TELEMEDICINE, Zagreb University, School of Medicine (27 April 2006).
- “Computer Science Behind Your Science”. Communicating Science and Technology (CST2006), (060606, Tromsø, Norway)
- “Capturing and presenting patient-data through a Smartphone: Designing a self-help tool”, Third Tromsø Telemedicine and eHealth Conference (TTeC2006) (11-13 June 2006, Tromsø, Norway). (By co-author)
- “Open Source Software - The future of medical imaging?” EuroPACS 2006: The 24th International EuroPACS Conference (15-17 June 2006, Trondheim, Norway). (By co-author)
- “A decentralised model for EHR data integration.” 6th Nordic Conference on eHealth and Telemedicine "From Tools to Services" (31 August - 1 September 2006, Helsinki, Finland). (By co-author)
- “Lessons learned from 20 years with telemedicine in Tromsø”, Invited lecture, Aalborg University (11 October 2006, Aalborg, Denmark).

- “Lessons learned from 20 years with telemedicine in Tromsø”, Invited lecture, IT University, Copenhagen (13 October 2006, Copenhagen, Denmark).
- “Lessons learned from 20 years with telemedicine in Tromsø”, Invited lecture, Technical University of Munich (30 November 2006, Munich, Germany).
- “Automatic Infection Detection System”. Medinfo 2007 (20-24 August 2007, Brisbane, Australia). (By co-author)
- “Challenges in telemedicine and eHealth: Lessons learned from 20 years with telemedicine in Tromsø.” Medinfo 2007 (20-24 August 2007, Brisbane, Australia).
- “The Scandinavian Health Network.” 5th Scandinavian Conference on Health Informatics (SHI 2007) (1-3 October 2007, Kalmar, Sweden).
- “The mobile solution for blood donor, registration and identification for the National Blood Transfusion Service, Tanzania.” 5th Scandinavian Conference on Health Informatics (SHI 2007) (1-3 October 2007, Kalmar, Sweden).
- “Disease outbreak detection through clique covering on a weighted ICPC-coded graph.” MIE 2008 (25-28 May 2008, Gothenburg, Sweden). (By co-author)
- “High Resolution Tiled Display for Medical Use: Results from Prototyping of a Radiology Scenario.” MIE 2008 (25-28 May 2008, Gothenburg, Sweden).
- “A System for Monitoring Physical Activity Data Among People with Type 2 Diabetes.” MIE 2008 (25-28 May 2008, Gothenburg, Sweden). (By co-author)
- “Electronic disease surveillance for sensitive population groups – The diabetics case study”, MIE 2008 (25-28. May 2008, Gothenburg, Sweden). (By co-author)
- “Telehomecare technologies for elderly suffering from chronic diseases.” Tromsø Telemedicine and eHealth Conference (TTeC 2008) (9-11 June 2008, Tromsø, Norway). (By co-author)
- “Models for Automatic Detection of Infectious Diseases – an Early Stage in Disease Progression.” Tromsø Telemedicine and eHealth Conference (TTeC 2008) (9-11 June 2008, Tromsø, Norway). (By co-author)
- “Improved patient empowerment and continuity of care through electronic disease surveillance.” ICICTH 2008 (11-13 July 2008, Samos, Greece).
- “Eight Challenges for Developing Telemedicine Applications.” ICICT 2008 (11-13 July 2008, Samos, Greece). (By co-author)
- “Telehomecare technology for elderly”, Smart home technology and elderly homes of the future, InnoMed-conference, Quality Hotel Tønsberg (15-16 October 2008, Tønsberg, Norway). (Invited keynote)
- “New Directions in Electronic Disease Surveillance: Detection of Infectious Diseases during the Incubation Period.” International Conference on eHealth, Telemedicine, and Social Medicine (eTELEMED 2009) (1-7 February 2009, Cancun, Mexico). (By co-author)
- “A Review of Mobile Terminal-Based Applications for Self-Management of Patients with Diabetes.” International Conference on eHealth, Telemedicine, and Social Medicine (eTELEMED 2009) (1-7 February 2009, Cancun, Mexico). (By co-author)
- “My home is my hospital – on telemedicine in homes”, THOM seminar (Teknologi i Helse og Omsorg), Senter for omsorgsforskning Vestlandet, Bergen University College (25 February 2009, Bergen, Norway). (Invited keynote)
- “Tromsø Telemedicine Laboratory – from hospital to stock market”, Regional research conference on health and medicine 2009 (25-26 March 2009, Tromsø, Norway). (Invited plenary lecture)
- “Spatial Tasks on a Large, High-Resolution Tiled Display: Females Mentally Rotate Large Objects Faster than Men.” HCI International 2009 (19-24 July 2009, San Diego, CA, USA).
- “E-learning tools for the Web 2.0 generation of students.” Artic Frontiers 2010 (24-29 January 2010, Tromsø, Norway).
- “Secondary Use of EHR: Data Quality Issues and Informatics Opportunities. 2010 AMIA Summit on Clinical Research Informatics (CRI) (12-13 March 2010, San Francisco, California, USA). (By co-author)
- “Leaving twentieth-century understanding of documents - From book to eBook to digital ecosystem.” 4th IEEE International Conference on Digital Ecosystems and Technology (IEEE DEST 2010) (12-15 April 2010, Dubai, UAE). (By co-author)
- “Exploring new directions in disease surveillance for people with diabetes: Lessons learned and future plans”. Medinfo 2010 (12-15 September 2010, Cape Town, South Africa).
- “Model-Driven Traceability in Healthcare Information Systems Development.” Medinfo 2010 (12-15

- September 2010, Cape Town, South Africa).
- “20 years of Telemedicine in Tromsø, Norway”, Invited lecture at Technical University of Valencia (21 July 2011, Valencia, Spain)
- “Global telemedicine services – what can be learned from telemedicine in Norway?”. Presentation in the Workshop on “Global telemedicine services – what can be learned from telemedicine in Norway?” at the 23<sup>rd</sup> International Conference of the European Federation for Medical Informatics User Centred Networked Health Care (MIE2011) (28-31 August 2011, Oslo, Norway).
- “Critique of the equation”. Presentation in the workshop on “The telemedicine and eHealth equation - proposal for an updated view on the theorem of medical informatics” at the 23<sup>rd</sup> International Conference of the European Federation for Medical Informatics User Centred Networked Health Care (MIE2011) (28-31 August 2011, Oslo, Norway).
- “The Tromsø Telemedicine Experience - 20 years of telemedicine in Tromsø”, Invited lecture at University of California, Davis, Center for Health and Technology (13 September 2011, Sacramento, California, USA)
- “The ICT Lifestyle and Health Motivation Project”, Invited lecture at University of California, Davis, School of Medicine and Betty Irene Moore School of Nursing (21 October 2011, Sacramento, California, USA)
- “Telemedicine in Tromsø, Norway”, Sons of Norway, Sacramento, California, USA (8 November 2011, Sacramento, California, USA).
- “Effects and Feedback from 30 Individuals with Type 1 Diabetes, Using a Mobile Diabetes Diary: The Few Touch Application”. The 5th International Conference on Advanced Technologies & Treatments for Diabetes (ATTD 2012) (8-12 February 2012, Barcelona, Spain).
- “Advancements in mHealth: Exemplified by the Few Touch Application for People with Diabetes” (30 min), 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).
- “Outbreak detection based on a tree-structured anatomic model for infection”. Scandinavian Conference on Health Informatics 2012 /SHI2012). (2-3 October 2012, Linköping, Sweden)
- “*NxtViCTS HC – Next generation VideoConference-based Telemedicine Systems for Home Care*”. Workshop on Cross Disciplinary Knowledge for Health/Senior Care Systems Integration (17-18 November 2012, Chicago, Illinois, USA).
- “Ten lessons you should know when implementing telemedicine services in rural areas” HIC 2013 (15-18.7.2013, Adelaide, Australia).
- “CallMeSmart: A system for context controlled mobile communication in hospitals” HIC 2013 (15-18 July 2013, Adelaide, Australia).
- “Ten Lessons for Successful Implementation of Telemedicine Services in North Norway” SHI 2013 (20 August 2013, Copenhagen, Denmark).
- “International Master Program in Telemedicine and eHealth at University of Tromsø” SHI 2013 (20 August 2013, Copenhagen, Denmark).
- “Prototyping a Diet Self-Management System for People with Diabetes with Cultural Adaptable User Interface Design”, SHI 2014 (21-22 August 2014, Grimstad, Norway).
- “Motivation in games: Motivational Mechanisms used in Traditional Computer Games,” Workshop on motivational mechanisms in eHealth. Exploring motivation and motivational mechanism in serious games for people with diabetes and other chronic diseases (4-5 March 2016, Chicago, IL, USA). Organizer: Institute of Design, Illinois Institute of Technology.
- “Some examples of motivation mechanisms from the diabetes group at UNN and a tiny bit of theory,” Workshop on motivational mechanisms in eHealth. Exploring motivation and motivational mechanism in serious games for people with diabetes and other chronic diseases (4-5 March 2016, Chicago, IL, USA). Organizer: Institute of Design, Illinois Institute of Technology.
- “Motivation, health care, technology, and design,” Workshop on motivational mechanisms in eHealth. Exploring motivation and motivational mechanism in serious games for people with diabetes and other chronic diseases (4-5 March 2016, Chicago, IL, USA). Organizer: Institute of Design, Illinois Institute of Technology.
- “Motivation: Lessons learned from 15 years with self-management systems for people with diabetes?” Workshop on motivational mechanisms in eHealth. Exploring motivation and motivational mechanism in serious games for people with diabetes and other chronic diseases (4-5 March 2016, Chicago, IL, USA). Organizer: Institute of Design, Illinois Institute of Technology.



- “Research Ethics in Health Informatics – Why Bother?” SHI 2016 - the 14<sup>th</sup> Scandinavian Conference on Health Informatics (6-7 April 2016, Gothenburg, Sweden). Organizer: Linköping University, Sweden.
- “Software-based motivational mechanisms”, Tromsø/Chicago seminar & ADMIT workshop. 1-day pre-workshop on motivational mechanisms in eHealth (16 juni 2016, Tromsø, Norway)
- “Type 1 diabetes = life-long logging of health data”, Personal Data Systems 2016 (PDS2016) (6 September 2016, Tromsø, Norway). Organizer: UiT, Corpore Sano)
- “Motivation in mHealth, eHealth and telemedicine”, EHIN Future Health 2016 (14-16 November 2016, Oslo, Norway)
- “Software-based motivational mechanisms – improved motivation with gamification”, 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 Research; Institute of Design, Illinois Institute of Technology.
- “The ‘perfect’ PhD dissertation”, presentation (20 min) during PhD Consortium, Scandinavian Health Informatics Conference 2017 (SHI2017) (Kristiansand, 28-30 August 2017).
- “The digital health revolution is happening now”, presentation (80 min.) at EHIN 2017 Preconference “The Digital Health Revolution is happening now: How will it affect Norwegian healthcare?”, EHIN 2017 (Oslo, 30 October 2017).
- “The evolution of clinicians’ preparedness for mHealth use (2013-2017) and current barriers”. Presentation (15 min.) at the 16<sup>th</sup> Scandinavian Conference on Health Informatics 2018 (SHI2018) (Aalborg, Denmark, 28-29 August 2018). Organizer: Aalborg University.
- “Making computer games that can teach children with type 1 diabetes in rural areas how to manage their condition”. Presentation (15 min.) at the 16<sup>th</sup> Scandinavian Conference on Health Informatics 2018 (SHI2018) (Aalborg, Denmark, 28-29 August 2018). Organizer: Aalborg University.
- “eHealth Approach for Motivating Physical Activities of People with Intellectual Disabilities”. Presentation (30 min) in 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) Organizer: IFIP TC6
- “EDMON - A System Architecture for Real-Time Infection Monitoring and Outbreak Detection Based on Self-Recorded Data from People with Type 1 Diabetes: System Design and Prototype Implementation”. Presentation (15 min.) under The 17<sup>th</sup> Scandinavian Conference on Health Informatics (SHI2019) (Oslo, Norway, 12-13 November 2019). Organizer: Norwegian Centre for E-health Research / EHIN 2019.
- “Digital medicine and emergent technologies”. Presentation (15 min.) under The SHI2019 pre-conference “Patient Generated Data. Opportunities and challenges”. (Oslo, Norway, 11 November 2019). Organizer: Norwegian Centre for E-health Research / UiT / UiA / Aalborg University, Denmark.
- “Mobile applications for self-management and motivation of people with diabetes” Health Informatics Conversations – a digital seminar series (Stockholm, Sweden, 31 March 2022). Organizer: Health Informatics Centre, Karolinska Institutet.
- “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+).
- “Bridging Objective and Subjective Data: A Comprehensive Architecture for Wearable Health Research”, oral presentation (10 min.) during Medical Informatics Europe 2026 (MIE 2026), Genova, Italia, 25-28 May 2026. Organizer: European Federation for Medical Informatics (EFMI).
- “Kernel Density Estimation of Wearable Signals to Predict Preoperative Cancellation Risk”, oral presentation (10 min.) during Medical Informatics Europe 2026 (MIE 2026), Genova, Italia, 25-28 May 2026. Organizer: European Federation for Medical Informatics (EFMI).

## 15. INTERNATIONAL POSTER PRESENTATIONS

- “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).
- “An Organizational Approach to Efficient Cooperation in an Agent Society.” MAAMAW'97 (8th European Workshop on Modelling Autonomous Agents in a Multi-Agent World), (13-16 May 1997, Ronneby, Sweden).
- “An Efficient Heuristic Search in a Large Multi-Agent System.” Fourteenth National Conference on Artificial Intelligence (AAAI-97), (27-31 July 1997, Providence, Rhode Island, USA).
- “Using User Models in Software Agents: The Virtual Secretary.” 3rd International Conference on Multi Agent Systems (ICMAS'98) (4-7 June 1998, Paris, France)
- “Automatic Monitoring and Control of Medication”. 1st Tromsø Telemedicine Conference (TTC2003) / 8th International Conference on the Medical Aspects of Telemedicine. (15-17 September 2003, Tromsø, Norway) Proceeding TTC2003, Side 143.
- “SymboPaD – A Symbol-based Patient Diary for Small Children.” MIE 2005 (28-31 September 2005, Geneva, Switzerland).
- “Capturing and presenting patient-data through a Smartphone: Designing a self-help tool.” Third Tromsø Telemedicine and eHealth Conference (TTeC2006) (11-13 June 2006, Tromsø, Norway).
- “Compiling medication lists using distributed search.” MIE 2006 (27-30 August 2006, Maastricht, The Netherlands).
- “Challenges in telemedical research – from hospital to stock market”, Research on Innovation in Health Care and e-Government (“Forskning for innovasjon innen helse og e-forvaltning. Om resultater og utfordringer innen forskning for innovasjon i offentlig sektor.”) FIFOS seminar / eGOVERNMENT interest group. Oslo Kongressenter (4 May 2007, Oslo, Norway).
- “The Easy Health Diary: Usability of a Mobile Self-Help Tool for People with Diabetes.” The third annual IEEE Conference on Automation Science and Engineering (IEEE CASE 2007) (22-25 September 2007, Scottsdale, Arizona, USA)
- “Disease surveillance for sensitive populations.” International Society for Disease Surveillance: Sixth Annual Conference (11-12 October 2007, Indianapolis, Indiana)
- “Blood glucose levels as a censor for the early detection of infection in type-1 diabetics.” International Society for Disease Surveillance: Sixth Annual Conference (11-12 October 2007, Indianapolis, Indiana)
- “What do GPs want in return from a Syndromic Surveillance system?” International Society for Disease Surveillance: Sixth Annual Conference (11-12 October 2007, Indianapolis, Indiana)
- “Disease surveillance systems for diabetics.” The American Telemedicine Association Thirteen Annual International Meeting and Exposition (6-8 April 2008, Seattle, WA, USA).
- “Disease outbreak detection through clique covering on a weighted ICPC-coded graph.” MIE 2008 (25-28 May 2008, Gothenburg, Sweden).
- “A Large, High Resolution Tiled Display for Medical Use: Results From Prototyping of a Radiology Scenario.” MIE 2008 (25-28 May 2008, Gothenburg, Sweden).
- “A System for Monitoring Physical Activity Data Among People with Type 2 Diabetes”. MIE 2008 (25-28 May 2008, Gothenburg, Sweden).
- “Electronic disease surveillance for sensitive population groups – The diabetics case study”. MIE 2008 (25-28 May 2008, Gothenburg, Sweden).
- “Experiences from using a diabetes diary based on a mobile phone - the few touch application.” 2nd International Conference on Advanced Technologies & Treatments for Diabetes. (25-28 February 2009, Athens, Greece).
- “Diabetes diary based on a mobile phone – Users’ experiences and iterative design process.” pHealth 2009 – the 6th International Workshop On Wearable Micro and Nano Technologies for Personalised Health. (24-26 June 2009, Oslo, Norway)
- “Designing mobile patient-centric self-help terminals for people with diabetes.” 11th International Conference on Human-Computer Interaction with Mobile Devices and Service (MobileHCI09) (15-18 September 2009, Berlin, Germany). ACM SIGCHI & SIGMOBILE.
- “User-Involved Design of Mobile Self-Help Tools for People with Diabetes.” 3rd International Conference on Advanced Technologies & Treatments for Diabetes (ATTD 2010). (10-13 February 2010, Basel, Switzerland).

- “Aktivitätsmessungen mit multiplen Sensoren (Akzelerometern) bei COPD-Patienten mit LTOT – eine Pilotstudie.” 51th Congress of the German Society of Pneumology and Respiration Medicine e.V. (17-20 March 2010, Germany, Hannover).
- “Physicians interrupted by mobile devices in hospitals – understanding the interaction between devices, roles and duties.” Medinfo 2010 (12-15 September 2010, Cape Town, South Africa).
- “Mobile Diabetes Self-Management Tools –What’s the Role of Clinicians?” 4<sup>th</sup> International Conference on Advanced Technologies & Treatments For Diabetes (ATTD 2011) (16-19 February 2011, London, UK).
- “Personalized Mobile Phone-based Tools for Type 1 Diabetes”. 23<sup>rd</sup> International Conference of the European Federation for Medical Informatics User Centred Networked Health Care (MIE 2011) (28-31 August 2011, Oslo, Norway)
- “Social Media and Games as Self-Management Tools for Children and Adolescents with Type 1 Diabetes Mellitus.” HEALTHINF 2012 – International Conference on Health Informatics. (Part of 5<sup>th</sup> International Joint Conference on Biomedical Engineering Systems and Technologies) (1-4 February 2012, Vilamoura, Algarve, Portugal).
- “Home Telehealth – ideals and realities?” NERO Workshop (5-7 November 2012, Tromsø, Norway).
- “Design of an advanced mobile diabetes diary based on a prospective 6-month study involving people Type 1 Diabetes: The Few Touch Application.” (ATTD 2013 (27.2-2.3.2013, Paris, France)
- “A Review of serious games for Diabetic patients.” (ATTD 2013 (27.2-2.3.2013, Paris, France)
- “Mobile Patient Applications within Diabetes - from Few and Easy to Advanced Functionalities” Medinfo 2013 (20-23.8.2013, Copenhagen, Denmark)
- “User requirements for interruption management in mobile communications in hospitals.” Medinfo 2013 (20-23.8.2013, Copenhagen, Denmark)
- “Use of Patient-Recorded Data in a Smartphone-based Game for Children with Diabetes”. e-poster at ADDT 2014 (5-8 February 2014, Vienna, Austria)
- “Moving Telementoring to the Web”. CARS 2014 (25-28 June 2014, Fukuoka Convention Center, Japan)
- “Ambient light as an information mediator for parents to children with diabetes”. ATTD 2015 (18-21 February 2015, Paris, France)
- “The Need for Interdisciplinary Teams in Health IT Design”. eTELEMED 2015 (22 - 27 February 2015, Lisbon, Portugal)
- “Utilization of a Smartwatch in Mobile Diabetes Self-Management”. 51. diabetologické dny Luhačovice (en: 51. diabetologists days Luhacovice) (16-18.4.2015, Luhacovice, Czech Republic)
- “Wearable Computing in Diabetes – Advanced Functions Enabled by Smartwatches”. ATTD 2016 (3-6 February 2016, Milan, Italy)
- “Designing motivational and educational diabetes video games involving children as a creative resource”. ATTD 2016 (3-6 February 2016, Milan, Italy).
- “Serious Gaming in Diabetes: Combining Apps and Gaming Principles in a Holistic Diabetes Environment”. ATTD 2016 (3-6 February 2016, Milan, Italy)
- “Using Online Forums to Better Understand Motivations Behind Technology Uptake Among Type 2 Diabetes Patients, Using CGM as the Use-Case”. ATTD 2016 (3-6 February 2016, Milan, Italy)
- “Utilizing technology and alternative approaches for displaying vital information and creating engagement for children and adolescents with diabetes”. ATTD 2016 (3-6 February 2016, Milan, Italy)
- “Barriers to the Success of Health ICT Implementations – A Report from Norway”. EFMI STC 2016 (17-19 April 2016, Paris, France)
- “Better glucose regulation through enabling group-based motivational mechanisms in cloud-based solutions like Nightscout.” European Telemedicine Conference (ETC 2016), (15-16.11.2016, Oslo, Norway)
- “Literatures Review of Telemedicine Services in Maritime and Extreme Weather”. European Telemedicine Conference (ETC 2016), (15-16.11.2016, Oslo, Norway)
- “An early infectious disease outbreak detection system based on self-recorded data from people with diabetes”. ATTD 2017 (15–18 February 2017, Paris, France)
- “Data Driven Blood Glucose Prediction: Interval vs. Point Blood Glucose Prediction?” ATTD 2017 (15–18 February 2017, Paris, France).

- “Motivating continuous Sharing of Physical activity using non-Intrusive Data Extraction Methods Retrospectively”. Personal Data Systems Workshop 2017 (Sommarøy Hotel, Tromsø, Norway, August 16-17, 2017)
- “Experience from using a dynamic study management service for an mhealth diabetes Type 2 RCT”. ATTD 2018 (Vienna, Austria, 14-17 February 2018)
- “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 efficient trials”. The 5<sup>th</sup> the European Telemedicine Conference (ETC) 2018 (Barcelona, Spain, 27-29 May 2018)
- “Healthcare Personnel’s Expectations of a System for Sharing and using Patient-Gathered Data”. ATTD 2020 (Madrid, Spain, 19-22 February 2020). (e-Poster + Poster)
- «Transforming a Furby toy to a multi-modal companion for children with Type 1 diabetes”. ATTD 2020 (Madrid, Spain, 19-22 February 2020). (e-Poster + Poster)
- “How people with Type 1 Diabetes can assist in disease outbreak detection”. ATTD 2020 (Madrid, Spain, 19-22 February 2020). (e-Poster + Poster)
- “Discovering Blood Glucose Regulation Processes with Process Mining”. ATTD 2020 (Madrid, Spain, 19-22 February 2020). (e-Poster + Poster)
- “Discovering Blood Glucose Regulation Processes with Process Mining”. ATTD 2020 (Madrid, Spain, 19-22 February 2020). (e-Poster + Poster)
- “Involving end-users in the design and development of an e-health program for lifestyle changes in 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)
- “DiAchieve: 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 19<sup>th</sup> 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: Qua Vadis?”* (MEDINFO 2017, Hangzhou, China, 21-25 August 2017) My presentation: “Regulation of Tele-Health in Emerging Economies: Qua 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 16<sup>th</sup> 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, “Grenseløs Teknologi?”* (“Borderless technology”) (21 September 2016, Stormen public library, Bodø, Norway) My introduction: “Har forskere et ansvar for teknologisk forskning som kan utslette menneskeheten?” (“Do scientists have a responsibility for technological research that could destroy mankind?”) Organizer: Nordlandsforskning, NORUT Bodø, Bodø 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)
- “Workshop on motivational mechanisms in eHealth. Exploring motivation and motivational mechanism in serious games for people with diabetes and other chronic diseases”* (4-5 March 2016, Chicago, IL, USA). Organizer: Institute of Design, Illinois Institute of Technology. (Role: Workshop initiator and co-organizer)
- 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 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” (80 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, J.Igual, K.Sato)
- 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.Grøttland).
- 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)
- 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). Rolle: 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.

#### PHD CONSORTIUM (NATIONAL)

PhD Consortium under the auspices of Helgeland Hospital's Research School, arranged in connection with Helgeland Hospital's research conference 2025 (5-6.11.2025), half-day (14:00-18:00) PhD

consortium (Mo i Rana & online, November 4, 2025). My role: initiator, organizer, commentator and speaker.

## 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).
- “What characterize excellent research?”, Research seminar, Bodø University College (29.10.1999, Bodø, Norway).
- “How to become professor before you turn 40?”, Tromsø University College (4.5.2000, Tromsø, Norway).
- “Pitfalls in PhD projects”, Telenor-seminar on PhD-projects, Bodø University College (16.5.2000, Tromsø, Norway).
- ““How to become professor before you turn 40?”, Mentor-project UiT, Skibotn feltstasjon (28.9.2000, Skibotn, Norway).
- “Computer Ethics”, Tromsø University College (17 January 2001) (2 x 3 hours) (Act Street wise – the network is monitoring you; Digital challenges; Give me your URL and I will tell you who you are; Why not just copy the software – Digital rights; Viruses and worms; Ethical rules on the Internet)
- “Technological challenges in smart homes”, Seminar for Elderly boards in Troms County (30-31 May 2001, Fylkeshuset, Tromsø, Norway).
- “How to apply for a full professor position”, Mentor-project UiT (28.8.2002, Tromsø, Norway).
- “The role of the PhD advisor at UiT”, PhD advisor seminar UiT (15.11.2002, Tromsø, Norway).
- “The family doctor of tomorrow: Telemedicine in private homes”, Senioruniversitetet i Tromsø (14.5.2003, Tromsø, Norway).
- “My home is my hospital”, Invited lecture, Moss municipality (1.3.2004, Moss, Norway)
- “The library of tomorrow: My own expectations”, Invited lecture, Seminar on next generation libraries, (20.11.2008, Scandic Hotel, Tromsø, Norway).
- “Why can’t we just make a digital copy?”, Lørdagsuniversitetet, University of Tromsø, DRIV (29.11.2008, Tromsø, Norway).
- “Technology in telehomecare for elderly. What can we expect in the future?” (“Bruk av teknologi i telebasert tilsyn for eldre. Hva viser glasskulen?”) Fremtidens eldreboliger og smarthusteknologi. InnoMed-konferanse på Quality Hotel Tønsberg (15-16 October 2008, Tønsberg, Norway). (Invited keynote)
- “My home is my hospital – telemedicine in homes” (“Mitt hjem er mitt hospital – om telemedisinske løsninger i hjemmet”), Dagsseminar for prosjektgruppen i THOM, Teknologi i Helse og Omsorg, Senter for omsorgsforskning Vestlandet., Høgskolen i Bergen (25 February 2009, Bergen, Norway). (Invited keynote via video conference)
- “Tromsø Telemedicine Laboratory – from hospital to stock market”, (“Tromsø Telemedicine Laboratory – fra hospital til børs”), Forskningskonferansen 2009 (Den tredje regional forskningskonferanse innen medisin og helse) (25-26 March 2009, Tromsø). Organizer: Helse Nord og Universitetet i Tromsø (Invited plenary lecture)
- “Without computer science, no modern medicine?” (Uten informatikk, ingen moderne medisin?) Lecture at Faculty of Science and Technology (NT-fakultetets populærvitenskapelig forelesningsserie med temaet: Realfagenes betydning for de medisinske framskritt), MH-bygget, University of Tromsø (21.5.2010, Tromsø, Norway).
- “Telemedicine – technology and health”, Science – who cares? Popular science seminar, NT-Faculty, University of Tromsø (2 September 2010, Tromsø, Norway).
- “Scientific misconduct: Some classical examples” (Fusk i forskning: Noen klassiske eksempler), De Norwegian Science committee’s seminar on research ethics, University of Tromsø (16 November 2010, Tromsø, Norway).
- “Examples on scientific misconduct” (Eksempler på vitenskapelig uredelighet), Joint seminar for the Norwegian Ethical committees (18 January 2011, Leangkollen hotel, Asker, Norway).

- “Best white paper on research” (Beste forskningsmelding ever), invited presentation on the Ministry of Research and Education’s conference (Innspillskonferanse) related to the work on the forthcoming white paper on research (forskningsmelding) (28 March 2012, Oslo, Norway).
- “Research in medical informatics in Norway towards 2025” (Forskning på medisinsk informatikk i Norge mot 2025), invited presentation at the workshop on ICT for health services in connection with the Research Council of Norway’s strategy for ICT research for 2015-2025 (24 September 2012, Oslo, Norway).
- “Advancements in mHealth: Exemplified by the Few Touch Application for People with Diabetes”, invited lecture at IDI, NTNU (4 October 2012, Trondheim, Norway).
- “e-health in Norway”, TTL International Seminar on telemedicine and e-health (2-3 April 2014, Tromsø, Norway).
- “My own experience with a centre for research-based innovation – what we should have thought of” (“Mine SFI-erfaringer – Hva vi burde ha tenkt på), invited presentation, SFI-forum, Norges forskningsråd (29 April 2014, Oslo, Norway).
- “Do social media have a place in healthcare?” TTL International Seminar on Social Media in Health Care (15 May 2014, Tromsø, Norway).
- “Tromsø – an international leader in telemedicine” (“Tromsø – en internasjonal spydspiss innen telemedisin”). Health and medical technology (“Helse og medisinsk teknologi”) (11 - 12 June 2014, Oslo University Hospital, Rikshospitalet). NFA – Norwegian Society of Automatic Control.
- “Cultural diversity and health systems’ design” TTL International Seminar on Philosophical Issues and Meanings in Healthcare Systems Design – Who Cares? (17 juni 2014, Tromsø, Norway).
- “Use of digital tools in education” (“Bruk av digitale verktøy i utdanning”), Annual national conference for technical colleges 2014 (Årskonferansen for offentlige fagskoler 2014) (22-24 September 2014, Tromsø, Norway).
- “(Might it be that it is us – the Norwegians – who are different?)”, TTL Open International Seminar on Making Multicultural Research Groups Work: How to be a Foreign Researcher in Norway? (8 December 2014, Tromsø, Norway).
- “Apps for diabetics”. Workshop on Innovative Learning for Health and Education, Visjon 2030, Nasjonal innovasjonsdugnad (2-3 March 2015, Trondheim, Norway).
- “Is Northern Norway foremost in Norway on Health ICT or is it just an illusion?” (“Er Nord-Norge fremst i Norge på Helse IKT eller er det bare en illusjon?”), TAG-IT konferansen, IT-Forum Nord-Norge (18-19 March 2015, Tromsø, Norway).
- “Will entertainment and multimedia help boost the quality of education?” (“Vil underholdning og multimedia bidra til øke kvalitet i utdanning?”), Helsekompetanse 2015 (11 June 2015, Tromsø, Norway).
- “Telemedicine in Arctic environments” (“Telemedisin i arktiske omgivelser”), SARINOR workshop (Search and Rescue in the High North) (29-30 September 2015, Bodø, Norway).
- “Onshore and Offshore Arctic Telemedicine” (“Telemedisin til lands og til vanns i kaldt klima”), Meeting Tromsø Skipperforening (Tromsø Shipmasters’ Association) (27 October 2015, Tromsø, Norway).
- “Decision support for people with diabetes” (“Beslutningsstøtte for personer med diabetes”), DECISION SUPPORT 2016 (BESLUTNINGSSTØTTE 2016) (26-27 October 2016, Trondheim) Organizer: NFA - Norwegian Association for Automation (“NFA – Norsk forening for automatisering”).
- “What every robot should know about health care” (“Hva enhver robot bør vite om helsesektoren”), presentation at EHIN 2017, (Oslo, 31.10 – 01.11.2017).
- “Plagiarism – the stupidest thing you can do as a researcher?” (“Plagiering – det dummeste du kan gjøre som forsker?”), Seminar on ethics, Norwegian Centre for E-health Research, University Hospital of North Norway, 20 September 2018.
- “Technology in use for promotion of physical activity in individuals with intellectual disabilities”, Seminar on physical activity with e-health support in individuals with intellectual disabilities, Tromsø, Norway, 3-4 October 2018. Organizer: University Hospital of North Norway.
- “Digital medicine”, (“Digital medisin”), Invited lecture during the seminar Sky and sea: Open meeting on new technology in Tromsø at the Norwegian Technological Council (“Himmel og hav: Åpent møte om ny teknologi i Tromsø ved Teknologirådet”). Tromsø city library, Tromsø, 16 November 2018.



- “Campus as an active learning arena: What do I want as a university teacher?” (“Campus som aktiv læringsarena: Hva ønsker jeg som universitetslærer?”), Room for active students - a conference on teaching and technology for student learning, Tromsø, 29-30 November 2018.
- “Putting it all together – The PIPP project”, UiT/UiA/NSE/UC workshop on living lab / living in a lab / living with a lab. University of Tromsø – The arctic university of Norway, Tromsø, 11-12 December 2018.
- “Promoting physical activity with e-health support for people with intellectual disability”, UiT/UiA/NSE/UC workshop on living lab / living in a lab / living with a lab. University of Tromsø – The arctic university of Norway, Tromsø, 11-12 December 2018.
- “The digital health revolution: Fundamental changes in health care” (“Den digitale helserevolusjonen: Gjennomgripende endringer i helsevesenet!”) Nettverksmøte i Dataforeningen, Tromsø, 18.2.2019.
- “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”). Open meeting in NTVA (The Norwegian Academy of Technological Sciences / Norges Tekniske Vitenskapsakademi) (Tromsø, October 1, 2019)
- “Engineers play a crucial role in the development of digital medicine” (“Ingeniører spiller en avgjørende rolle i utvikling av digital medisin”), Invited lecture to Nordnorsk ingeniørkonferanse 2019, Tromsø, September 3, 2019. Organizer: NITO.
- “Motivation of physical activity through e-health support” (“E-helse støtte for å motivere til fysisk aktivitet”), Seminar on e-health and habilitation, Universitetssykehuset Nord-Norge, Tromsø, June 24, 2020
- “50 years with health technology in Northern Norway”, OPEN WORKSHOP on past, present and future of health technology, University of Tromsø – The arctic university of Norway, Tromsø, 25 November 2020.
- “Telemedicine and e-health in Northern Norway”, OPEN WORKSHOP on past, present and future of health technology, University of Tromsø – The arctic university of Norway, Tromsø, 25 November 2020.
- “The digital health (r)evolution and the future of medicine”, OPEN WORKSHOP on past, present and future of health technology, University of Tromsø – The arctic university of Norway, Tromsø, 25 November 2020.
- “What are the characteristics of a (locally based) international research project, partners and organization?” (“Hva kjennetegner et (lokalt forankret) internasjonalt forskningsprosjekt, samarbeidspartnere og organisering?”) Workshop - Innovation in the municipalities of Troms and Finnmark through Horizon Europa, (digital workshop), April 28 2021. Organizer: Research Council of Norway.
- “Innovation in e-health: A digital health (r)evolution” (“Innovasjon i e-helse: En digitale helse (r)evolusjon”), Innovation lectures on Fridays (21.05.2021). Organizer: Helgelandssykehuset HF. (60 min.)
- “The story of a digital health revolution and northern Norwegian e-health research” (“Fortellingen om en digital helserevolusjon og nord-norsk e-helseforskning”). Helgelandssykehuset HF’s research conference 2021. Syv Søstre Scandic hotel, Sandnessjøen, oktober 6-7 2021.
- “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”), In Innovation lectures on Fridays (18.03.2022). Organizer: Helgelandssykehuset HF. (60 min.)
- “How home health monitoring, smart sensors, small data and digital dust can save your life”. Pint of Science, Tromsø, Norway, May 23, 2023. Organizer: Pint of Science Norway.
- “New technology, technology optimism and a digital health (r)evolution” (“Ny teknologi, teknologi-optimisme og en digitale helse(r)evolusjon”), 60 min. invited lecture during North Norwegian European Days in Mo i Rana, 22-23 November 2023. Organizer: North Norway’s European Office, Nordland County Council and Rana Development.
- “Digital healthcare”, (“Digitale helsetjenester”), Samhandlingskonferansen 2024 (Juni 4, 2024, Mosjøen) Invited lecture. Organizer: Helsefellesskap Helgeland.
- “A digital health(r)evolution – what does this mean for personalised medicine?” (“En digital helse(r)evolusjon – hva betyr dette for personilpasset medisin?”) Joint meeting: Personalised

- medicine – professional network in the Northern Norway Regional Health Authority (Persontilpasset medisin – fagnettverk i Helse Nord), 4 October 2024 (online). (45 min)
- “General information about welfare technology and its development. What did it start with? What is it? Why do we do it? What is the status today?” (“Generelt om velferdsteknologi og utviklingen. Hva startet det med? Hva er det? Hvorfor gjør vi det? Hva er status i dag?”) Conference on the future of health services in the North, 19 September 2024. Organizer: UiT The Arctic University of Norway, Campus Harstad. (30 min)
- “Health monitoring in the home. How Home Health Monitoring, Smart Sensors, Small Data, and Digital Dust Can Save Your Life” (“Helseovervåkning i hjemmet. Hvordan helseovervåkning i hjemmet, smarte sensorer, “små data” og digitalt støv» kan redde livet ditt”) 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 revolution in health technology. Possible consequences of the digital health revolution” (“En digital helserevolusjon innen helseteknologi. Mulige konsekvenser av den digitale helserevolusjonen”) 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(r)evolution – what does this mean for personalised medicine?” (“En digital helse(r)evolusjon – hva betyr dette for persontilpasset 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 helseovervåkning i hjemmet, smarte sensorer, digitale tvillinger, smådata og digitalt støv kan redde liv”), Invited lecture, National seminar for treatment aids, Quality Hotel Olavsgaard (Skjetten) 23-24 October 2024. Organiser: 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 serie “Observatoriet podcast” produced for UiT’s 50 years anniversary 2018. Published 1.3.2018.<sup>10</sup>

### 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)<sup>11</sup>
- “Innovation in e-health: A digital health(r)evolution” (“Innovasjon i e-helse: En digitale helse(r)evolusjon”), 45 min lecture in the seminar series “Innovation Lecture on Friday” (“Innovasjonsforelesning på fredag”), 21 May 2021.<sup>12</sup>
- “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.<sup>13</sup>

## 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.

<sup>10</sup> <https://uit.no/50/50-forskere>

<sup>11</sup> <https://www.youtube.com/watch?v=qkiiG-1gsn4>

<sup>12</sup> <https://www.youtube.com/watch?v=Rp-GtPMFWyg>

<sup>13</sup> <https://www.youtube.com/watch?v=bFzw0kJzOzo>

- “PC is outdated – now comes PoCo” (“PC er avlegs – 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.
- “Manners on the Internet” (“Folkeskikk på Internett”), avisen Nordlys, October 9, 1998.
- “Fear of IT-Fornebu” (“Frykt for IT-Fornebu”), Nordlys, February 17, 1999.
- “Will cooperate with IT-Fornebu” (“Vil samarbeide med IT-Fornebu”), Nordlys, August 4, 1999.
- “Always monitored” (“Alltid overvåket”), Nordlys, October 4, 1999.
- Weekend guest on P4 (radio) about rules for using electronic mail. Sundy, 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 pillealarm”), the newspaper VG, May 2, 2003.
- “The healthcare system of the future is electronic” (“Framtidas helsevesen er elektronisk”), [www.forskning.no](http://www.forskning.no), August 28, 2003.
- “The healthcare system of the future is electronic” (“Framtidas helsevesen er elektronisk”), [handel.no](http://handel.no), August 28, 2003.
- “Electronics take over in the healthcare system of the future” (“Elektronikken overtar i framtidas helsevesen”), [helseveien.no](http://helseveien.no), August 29, 2003.
- “The healthcare system of the future is electronic” (“Framtidas helsevesen er elektronisk”), [www.dyroy.kommune.no](http://www.dyroy.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 UiTø” (“Teknologisk forskning og utdanning ved UiTø”), Nordlys, February 16, 2005.
- “Telemedicines will meet the aging wave” (“Telemedisinere vil møte eldrebølgen”), (The magazine) Forskning, no. 4, 2006. (October 30, 2006)
- “It's like winning the final of the World Cup in football” (“Det er som å vinne finalen i fotball-VM”), Nordlys, June 17, 2006.
- “Millions of sprinkles over Tromsø” (“Milliondryss over Tromsø”), Tromsø, June 17, 2006.
- “Telemedicine technology center for Tromsø” (“Telemedisinsk teknologisenter til Tromsø”), [helseveien.no](http://helseveien.no), June 19, 2006.
- “Tromsø gets technology center worth 190 million” (“Tromsø får teknologisenter verdt 190 millioner”), [www.helse-nord.no](http://www.helse-nord.no), June 19, 2006.
- “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”), [helseveien.no](http://helseveien.no), September 21, 2006.
- “Thinking cap for 10 million” (“Tenkehette til 10 mill.”), Pingvinen [Newspaper at UNN], November 10, 2006, page 20.
- “Freedom makes the impossible possible. Penguins fly freely both high and low in the health care system in Tromsø” (“Frihet gjør det umulige mulig. Pingviner flyr fritt både høyt og lavt i helsevesenet i Tromsø”), FriProg-Magasinet, no. 1, 2007, pages 42–43.
- “Wired up for the aging boom”, Tell’us, September 2007, pp. 34–35. (Publisher: Norges forskningsråd [The Research Council of Norway])
- “Creating virtual opera” (“Skaper virtuell opera”), (newspaper) Tromsø, March 15, 2008.
- “Professor before 40” (“Professor før 40”), Forskerforum, no. 4, 2008, pages 12–17. (April 7, 2008)
- “This is how you become a professor before you are 40” (“Sånn blir du professor før du er 40”), the newspaper Nordlys, May 16, 2008.
- “This is how you become a professor” (“Sånn blir du professor”), Teknisk ukeblad (TU.NO), May 16, 2008.

- “The faculty becomes English” (“Fakultetet blir engelsk”), Tromsø, July 19, 2008.
- “False starts at the university” (“Tjuvstarter på universitetet”), Harstad Tidende, August 23, 2008, page 7.
- “Must warn of epidemics” (“Skal varsle epidemier”), Dagens Næringsliv [Newspaper], Friday, April 1, 2011, page 10.
- “Plans new study program in health technology” (“Planlegger nytt studium i helseteknologi”), dagensmedisin.no, September 7, 2012.<sup>14</sup>
- “Education in Health Technology” (“Utdanning i helseteknologi”), Fysioterapeuten, October 18, 2012, page 7.
- “New education in health technology” (“Nytt utdanningstilbud i helseteknologi”), Fysioterapeuten.no, September 7, 2012.
- “DIPS as a university subject” (“DIPS som universitetsfag”), d:mag, no. 2, 2013, page 35.
- “Mastering type-2 diabetes using mobile app” (“Mestrer type-2 diabetes ved hjelp av mobil app”), news at uit.no, published 1 March 18, 2014.<sup>15</sup>
- “Examiner for follow-up of chronic lung disease” (“Sensor for oppfølging av kronisk lungesykdom”), news at uit.no, published May 20, 2014.<sup>16</sup>
- “Hjernekraftprisen 2014 – Winning entries” (“Hjernekraftprisen 2014 – vinnerbidragene”), news at forskerforbundet.no, published January 2015.<sup>17</sup>
- “Self-help systems for the treatment of people with diabetes” (“Selvhjelpssystemer for behandling av personer med diabetes”), news at forskerforbundet.no, published January 2015.<sup>18</sup>
- “Tromsø researcher received award for work on this revolutionary health app” (“Tromsø-forsker mottok pris for arbeidet med denne revolusjonerende helse-appen”), the newspaper Nordlys, February 1, 2015.
- “Won award for health app” (“Vant pris for helseapp”), Nordlys, February 2, 2015, page 3.
- “SFI TTL creates value for the health sector” (“SFI TTL skaper verdier for helsesektoren”), forskningsrådet.no, February 1, 2015.
- “Break through from basic research” (“Når frem med grunnforskning”), Forskerforum.no, February 2, 2015.
- “Veterans with a book about the history of telemedicine in the north” (“Veteraner med bok om telemedisinens historie i nord”), telemed.no, October 22, 2015.
- “Research's social responsibility - does it also apply to me?” (“Forskningens samfunnsansvar – gjelder det meg også?”), Debate post on forskning.no, October 13, 2015.
- “Torbjørn Røe Isaksen: - Research in medicine and health sciences is good, but not good enough” (“Torbjørn Røe Isaksen: – Forskinga i medisin og helsefag er god, men ikkje god nok”), UNIFORM, May 2, 2016. (uniform.uio.no) (Comment: The Minister of Education highlights the diabetes diary as one of three good examples of ground-breaking research in medicine.)
- “Plagiarism is a huge problem” (“Plagiering er et kjempestort problem”), Forskerforum.no, June 15, 2016.
- “Tromsø - Norway's capital in research on ICT in the health sector” (“Tromsø – Norges hovedstad innen forskning på IKT i helsesektoren”, debate post on Nordnorsk debatt [North Norwegian debate] (on-line), June 29, 2016.<sup>19</sup>
- “Protecting the health of the netizens” (“Trygger helsen for netseterne”), article at The Norwegian Barents Secretariat, August 26, 2016.<sup>20</sup>
- “National Center with an International Environment” (“Nasjonalt senter med internasjonalt miljø”), Diabetes, no. 4, 2016, page 13.
- “HIØs hopeful” (“HIØs håpefulle”), Østfold University College, June 8, 2017.<sup>21</sup>
- “The Digital Health Revolution – seminar”, ehealthresearch.no, October 5, 2017.<sup>22</sup>

<sup>14</sup> <https://cms.dagensmedisin.no/artikler/2012/09/07/planlegger-nytt-studium-i-helseteknologi/>

<sup>15</sup> [https://uit.no/nyheter/artikkel?p\\_document\\_id=370816](https://uit.no/nyheter/artikkel?p_document_id=370816)

<sup>16</sup> [https://uit.no/nyheter/artikkel?p\\_document\\_id=377614](https://uit.no/nyheter/artikkel?p_document_id=377614)

<sup>17</sup> <https://www.forskerforbundet.no/om-oss/hjernekraftprisen/vinnere/vinnerbidrag-2014/>

<sup>18</sup> <https://www.forskerforbundet.no/PageFiles/11550/GunnarHartvigsen.pdf>

<sup>19</sup> <http://nordnorskdebatt.no/article/tromso-norges-hovedstad-innen>

<sup>20</sup> <https://barents.no/nb/nyheter/2016/trygger-helsen-netseterne>

<sup>21</sup> <https://www.hiof.no/for-ansatte/arbeidsstotte/forskningsstotte/hva-skjer-a/2017/hios-hapefulle.html>

<sup>22</sup> <https://ehealthresearch.no/nyheter/2017/the-digital-health-revolution-seminar>

- “Norway can become a superpower in health technology” (“Norge kan bli en stormakt innen helseteknologi”), Chronicle in Nordnorsk debatt [North Norwegian debate], the newspaper Nordlys, November 15, 2017.<sup>23</sup>
- “Norway - a great power in health technology” (“Norge – en stormakt innen helseteknologi”), ehealthresearch.no, November 28, 2017.<sup>24</sup>
- “Evaluating Diabetes Self-Help Tools”, eHealthNews.eu, February 21, 2018.<sup>25</sup>
- “New life with new technology for you with diabetes” (“Nytt liv med ny teknologi for deg med diabetes”), article for UiT's 50th anniversary 2018. Published March 1, 2018.<sup>26</sup>
- “New life with new technology for you with diabetes” (“Nytt liv med ny teknologi for deg med diabetes”), Chronicle in Nordnorsk debatt [North Norwegian debate], the newspaper Nordlys, March 5, 2018.<sup>27</sup>
- “We need a digital revolution in the health care system” (“-Vi trenger en digital revolusjon i helsevesenet”), news post at UiT.no, published March 27, 2020.<sup>28</sup>
- “We need a digital revolution in the health care system” (“Vi trenger en digital revolusjon i helsevesenet”), debate post on forskning.no, April 1, 2020.<sup>29</sup>
- “Master of Science in Health Technology at UiT The Arctic University of Norway - an interview with Professor Gunnar Hartvigsen” (“Sivilingeniørstudium i helseteknologi ved UiT Norges arktiske universitet – et intervju med professor Gunnar Hartvigsen”), news post at Department of Computer Science, UiT, published April 7, 2020.<sup>30</sup>
- “These 222 will have a hand in the Horizon Europe game” (“Desse 222 får ein finger med i spelet om Horisont Europa”), khrono.no, July 2, 2020.<sup>31</sup>
- “The apps can mean this for your health” (“Dette kan dingsene bety for helsen din”), helsehjulet.com, published October 22, 2020.<sup>32</sup>
- “The app was developed in Tromsø and gives Maja better shape: - It's about having fun” (“Appen er utviklet i Tromsø og gir Maja bedre form: – Handler om å ha det gøy”), nordlys.no, published June 24, 2021.<sup>33</sup>
- “Helps Maja get in shape” (“Hjelper Maja i form”), newspaper Nordlys, Thursday June 24, 2021.
- “Strengthens the health service with a new master's offer added to Campus Helgeland: This will be a 'hands on' study offer rooted in the region's needs” (“Styrker helsevesenet med nytt mastertilbud lagt til Campus Helgeland: Dette skal være et «hands on» studietilbud forankret i regionens behov”), ranablad.no, published August 19, 2021.<sup>34</sup>
- “UiT establishes unique master's education on Helgeland” (“UiT etablerer unik masterutdanning på Helgeland”), ranano.no, publisert 19. august 2021.<sup>35</sup>
- “Artificial intelligence: - Rapid development, but not for diabetes” (“Kunstig intelligens: – Rivende utvikling, men ikke for diabetes”), dagensmedisin.no, published September 30, 2021.<sup>36</sup>
- “Meet Gunnar Hartvigsen”, interview published on The Health Informatics Centre (HIC), Department of LIME, Karolinska Institutet, Stockholm, Sweden, published December 1, 2021.<sup>37</sup>
- “UiT to Helgeland with an experience-based master's in digital health services” (“UiT til Helgeland med erfaringsbasert master i digitale helsetjenester”), News from UiT, published 11 February 2022.<sup>38</sup>

<sup>23</sup> <http://nordnorskdebatt.no/article/tror-medisinsk-teknologi>

<sup>24</sup> <https://ehealthresearch.no/nyheter/2017/norge-en-stormakt-innen-helseteknologi>

<sup>25</sup> <http://www.ehealthnews.eu/development/5493-evaluating-diabetes-self-help-tools>

<sup>26</sup> <https://uit.no/50/50-forskere>

<sup>27</sup> <http://nordnorskdebatt.no/article/nytt-liv-ny-teknologi-deg>

<sup>28</sup> [https://uit.no/nyheter/artikkel?p\\_document\\_id=675297](https://uit.no/nyheter/artikkel?p_document_id=675297)

<sup>29</sup> <https://forskning.no/uit-norges-arktiske-universitet/vi-trenger-en-digital-revolusjon-i-helsevesenet/1663706>

<sup>30</sup> [https://uit.no/nyheter/artikkel?p\\_document\\_id=676119](https://uit.no/nyheter/artikkel?p_document_id=676119)

<sup>31</sup> <https://www.khrono.no/desse-222-far-ein-finger-med-i-spelet-om-horisont-europa/500887>

<sup>32</sup> <https://www.helsehjulet.com/helse-dingsene>

<sup>33</sup> <https://www.nordlys.no/appen-er-utviklet-i-tromso-og-gir-maja-bedre-form-handler-om-a-ha-det-goy/s/5-34-1486963>

<sup>34</sup> <https://www.ranablad.no/styrker-helsevesenet-med-nytt-mastertilbud-lagt-til-campus-helgeland-dette-skal-vare-et-hands-on-studie-forankret-i-regionens-behov/s/5-42-872481>

<sup>35</sup> <https://ranano.no/uit-etablerer-unik-masterutdanning-paa-helgeland/19.08-08:30>

<sup>36</sup> <https://www.dagensmedisin.no/artikler/2021/09/30/kunstig-intelligens--rivende-utvikling-men-ikke-for-diabetes/>

<sup>37</sup> <https://news.ki.se/meet-gunnar-hartvigsen>

<sup>38</sup> [https://uit.no/nyheter/artikkel/kortnytt?p\\_document\\_id=763610](https://uit.no/nyheter/artikkel/kortnytt?p_document_id=763610)

- “Contributes to increased physical activity” (“Bidrar til økt fysisk aktivitet”, news from uit.no, published 25 February 2022.<sup>39</sup>
- “Strengthen the healthcare personnel's digital competence!” (“Styrk helsepersonellens digitale kompetanse!”), dagensmedisin.no, published March 17, 2022.<sup>40</sup>
- “Invites to a free seminar on welfare technology and digital health services!” (“Inviterer til gratis fagdag om velferdsteknologi og digitale helsetjenester!”), Helgelands Blad, August 26, 2022, page 10.
- “Unique study program opened in Helgeland”, (“Unik studium åpnet på Helgeland”), ranano.no, published 31 August 31, 2022.<sup>41</sup>
- “Opening of newly developed master's programme in digital health services” (“Åpning av nyutviklet masterstudie i digitale helsetjenester”), helgelandspsykehuset.no, September 12, 2022.<sup>42</sup>
- “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 etterfølgelse”), isandnessjoen.no, January 12, 2023.<sup>43</sup>
- “Professor Gunnar Hartvigsen is a new employee at Helgeland Hospital” (“Professor Gunnar Hartvigsen er nyansatt i Helgelandspsykehuset”), helgelandspsykehuset.no, May 9, 2023.<sup>44</sup>
- “Kickoff for Helgeland Hospital Research School” (“Kickoff for Helgelandspsykehusets forskerskole”), helgelandspsykehuset.no, January 30, 2024.<sup>45</sup>
- “Helgeland Hospital launches HELGA research school” (“Helgelandspsykehuset lanserer forskerskolen HELGA”), helgelandspsykehuset.no, January 30, 2024.<sup>46</sup>
- “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.<sup>47</sup>
- “The Government appoints seven new members to the Skills Needs Committee” (“Regjeringa utnemner sju nye medlemmar til Kompetansebehovutvalet”), UNIFORM, February 2, 2024 (uniforum.uio.no)<sup>48</sup>
- “The Competence Needs Committee 2024-2025 will investigate how new technology affects the need for competence in the future” (“Kompetansebehovsutvalet 2024-2025 Skal undersøke korleis ny teknologi påverkar kompetansebehovet i framtida”), regjeringen.no, February 2, 2024.<sup>49</sup>
- “Helgeland Hospital launches research school” (“Helgelandspsykehuset lanserer forskerskole”), dagensmedisin.no, February 13, 2024.<sup>50</sup>
- “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”), Finnmarkdebatten.no, April 4, 2025.<sup>51</sup> (Common to Finnmark Dagblad, 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.<sup>52</sup>

## 20. TUTORIALS

- “Health informatics”, 3 hours’ tutorial at Third Tromsø Telemedicine and eHealth Conference (TTec2006) (11-13 June 2006, Tromsø, Norway).

<sup>39</sup> [https://uit.no/nyheter/artikkel/kortnytt?p\\_document\\_id=765046](https://uit.no/nyheter/artikkel/kortnytt?p_document_id=765046)

<sup>40</sup> <https://www.dagensmedisin.no/artikler/2022/03/17/styrk-helsepersonells-digitale-kompetanse/>

<sup>41</sup> <https://ranano.no/unikt-studium-aapnet-paa-helgeland/31.08-17:08>

<sup>42</sup> <https://www.helgelandspsykehuset.no/nyheter/apning-av-nyutviklet-masterstudie-i-digitale-helsetjenester>

<sup>43</sup> <https://www.isandnessjoen.no/fagdag-for-framtida-utviklingen-av-dette-studiet-er-et-eksempel-til-etterfolgelse/g/5-108-109564>

<sup>44</sup> <https://www.helgelandspsykehuset.no/nyheter/professor-gunnar-hartvigsen-er-nyansatt-i-helgelandspsykehuset>

<sup>45</sup> <https://www.helgelandspsykehuset.no/nyheter/forskerskolen/>

<sup>46</sup> <https://www.helgelandspsykehuset.no/nyheter/ForskerskolenHelga/>

<sup>47</sup> <https://www.akademikerne.no/utvalg-skal-se-pa-hvordan-teknologi-pavirker-kompetansebehovet-i-arbeidslivet>

<sup>48</sup> <https://www.uniforum.uio.no/notert/2024/regjeringa-utnemner-sju-ny-medlemmar-til-kompetanse.html>

<sup>49</sup> <https://www.regjeringen.no/no/aktuelt/skal-undersoke-korleis-ny-teknologi-paverkar-kompetansebehovet-i-framtida/id3023802/>

<sup>50</sup> <https://www.dagensmedisin.no/forskning-forskings-og-innovasjonsavdelingen-helga/helgelandspsykehuset-lanserer-forskerskole/617814>

<sup>51</sup> <https://www.finnmarkdebatten.no/skal-vi-klare-a-mote-helseutfordringene-ma-det-utdannes-flere-helseinformatikere/o/5-149-4636>

<sup>52</sup> <https://www.nordnorskdebatt.no/dersom-norge-skal-klare-a-mote-helseutfordringene-ma-det-utdannes-flere-helseinformatikere/o/5-124-358939>

- “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)
- “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 opnået gennem 25 år med telemedisin i Nordnorge”), 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), Bodø 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” (60 min))
- Seminar in the Norwegian Orthopedic Association (Norsk ortopedisk forening), Norwegian MD Association (Den norske legeforening): “How to support new professor talents” (Hvordan pushe professortalenter?), pre-høstmøte-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” (“Den gode søknaden - krav, tips og råd”).
- Career seminar for faculty members at Gjøvik University College (Karriereseminar for ansatte i vitenskapelig stilling ved Høyskolen 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” (“Gruppearbeid: forskningsfremmende faktorer. Angi 10 faktorer som fremmer god forskning ved HiG og prioriter disse”); “Docent or professor? Two different career paths” (“Dosent 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 dosentur”); “The good grant application” (“Den gode forskningsprosjektsøknaden”); “How to establish a research consortium?”

- (“Hvordan etablere et consortium?”); “The importance of networking and international collaboration” (“Viktigheten av nettverksetableringer 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” (“Dosent eller professor?: To ulike karrierestiger”) (60 min); “Twelve advices towards a professorship” (“12 råd på veien mot professoratet / dosenturet”) (90 min); “Group work: discussion of the twelve advices” (“Gruppearbeid: forskningsfremmende faktorer (II). Diskuter relevansen til de 12 rådene som ble presentert og ranger disse”) (60 min); “How to apply for a full professor or docent position?” (“Søknad på professorat / dosentur”) (90 min); “Examples of possible career plans” (“Eksempler på mulige karriereplaner”) (30 min); “Group work: Discussion of career plans for each group members” (“Gruppearbeid: Karriereplan (III). Diskuter karriereplaner for gruppens medlemmer”) (90 min) “The importance of networking and international collaboration” (“Hvordan etablere et internasjonalt nettverk?”) (30 min); “Publication trends” (“Publiseringstradisjoner (Open Access, forlag, medforfatterskap, siteringer, indekser, etc.)”) (45 min).
- Seminar for the senior lecturer program at UiT: Communication of results (“Formidlingsseminar for førstelektorprogrammet ved Universitetet i Tromsø”), 25.10.2013, 09:00-16:00. My lectures: “What can be published and how can it be published?” (“Hva kan formidles og hvordan?”) (25 min); “Publish or perish? – my path to publish” (“Publish or perish? – min vei mot publish”) (45 min); “The research paper” (“Den vitenskapelige artikkel”) (90 min); “Group work: Factors that improve your publication rate / What can I publish?” (“Gruppearbeid: Formidlings-fremmende faktorer”) (60 min); “Publication strategy” (“Publiseringsstrategi”) (30 min).
- “Telemedicine in North-Norway”, 5 hours’ lecture, 25-26 June 2014, University of Technology and Life Sciences in Bydgoszcz, Polen (Uniwersytet Technologiczno - Przyrodniczy – the UTP).
- Career seminar for faculty members at Høgskolen i Oslo og Akershus (HIOA): “How to be promoted as full professor?” (“Hvordan få opprykk til professor?”), 9 December 2014, 12:30-15:30. My lecture: Principles and strategies for application (“Søknadsprinsipper og søknadsstrategier”) (40 min).
- Seminar “Inżynieria telemedyczna”. My lectures: “Research in telemedicine and medical informatics in Tromsø, Norway” and “Telemedicine in California, USA”, in total 5 hours with lectures, 15-17 April 2015, University of Technology and Life Sciences in Bydgoszcz, Polen (Uniwersytet Technologiczno - Przyrodniczy – the UTP).
- Seminar “How to write research protocols and apply for research funding” (“Skrive protokoll og søke forskningsmidler”). My lecture: “How to establish a researchers’s network & publication traditions”) (“Etablering av forskernettverk & Publiseringstradisjoner”), Organizer: UNN, Tromsø, Wednesday 20 May 2015.
- Seminar during “Program for young research leaders” (in psychology at the University of Bergen, University of Oslo, Trondheim, University of Tromsø), 25-26 August 2015, Tromsø, Norway. My lecture: “A good (working) climate for research: What characterizes a good research group?” (60 min.).
- Seminar No. 1 for postdocs at the Norwegian Centre for E-health Research and Department of Computer Science, University of Tromsø. My lectures: “Discussion of personal short- and long-term research goals”. Friday 14 October 2016, 09-16, Tromsø, Norway. Organizer: UiT/NSE.
- Seminar No. 2 for postdocs at the Norwegian Centre for E-health Research and Department of Computer Science, UiT. My lectures: “Application for funding / writing grant applications”, “Twelve advices on the way to the professorship – how to work strategically?”, “Application for a professorship”. Friday 21 October 2016, 09-16, Tromsø, Norway. Organizer: UiT/NSE.
- Seminar for PhD students affiliated with the research group Medical Informatics & Telemedicine (MI&T) at Department of Computer Science, UiT, and the Diabetes team at Norwegian Centre for E-health Research. My lectures: “Are you ready for a PhD program?”, “How to write a PhD dissertation”, “The research paper”, “Code of ethics & guidelines for research ethics”, “Giving a talk at a conference”. 3-4 November 2016, 09-16, Tromsø, Norway. Organizer: UiT/NSE.



- Lecture on “Motivation in mHealth and eHealth”, Medical faculty, Charles University, Prague, Czech Republic, Wednesday 7 December 2016 (45 min via Skype).
- Lecture on “How to establish strong research groups” (“Hvordan bygge sterke forskningsgrupper?”) (90 min.), Insituttsamling Institutt for helse- og sykepleievitenskap, Fakultet for helse-og idrettsvitenskap, University of Agder. 25 January 2017, Kristiansand, Norway. Organizer: UiA.
- Career seminar for faculty members at the University of Agder, campus Grimstad, Institutt for helse- og sykepleievitenskap: “Career plan for faculty” (“Karriereplan for ansatte i vitenskapelige stillinger”), 26 January 2017 (4 hours). Lectures: “Career plans for faculty” (“Karriereplan for ansatte i vitenskapelig stilling”) 120 min.), “How to apply for a professor position” (“Søknad på professorat og dosentur”) (90 min.). Organizer: UiA.
- Careers Seminar for Faculty Members at Østfold University College (Karriereseminar for ansatte i vitenskapelig stilling ved Høgskolen i Østfold), Moss, 7-8 June 2017: My lectures: “Good working conditions for research” (“Et godt (arbeids)klima for forskning: Hva karakteriserer en god forskningsgruppe?”) (90 min.); “Docent or professor? Two different career paths” (“Dosent eller professor – to ulike karrierestiger?”) (60 min.); “Twelve advices towards a professorship” (“Tolv råd på veien mot professoratet / dosenturet”) (90 min.); “The career plan template” (“Presentasjon av skjemaet for karriereplan”) (15 min.); “How to apply for a full professor or docent position?” (“Søknad på professorat / dosentur”) (105 min.); “The importance of networking and international collaboration” (“Hvordan etablere et internasjonalt nettverk”) (30 min); “Publication trends” (“Publiseringstradisjoner (Open Access, forlag, medforfatterskap, siteringer, indekser, etc.)”) (45 min.); “What would I emphasize if I was only allowed to give one advice?” (“Hva ville jeg trukket fram om jeg kun fikk lov til å gi ett råd?”) (15 min.). Organizer: Østfold University College.
- Careers Seminar for University Lecturers who have been listed on the First Lecturers Program at The University of Tromsø – The Arctic University of Norway (Karriereseminar for universitetslektorer som er tatt opp på førstelektorprogrammet ved Universitetet i Tromsø – Norges arktiske universitet): “Career plan to become senior lecturer (or docent)” (“Karriereplan for å bli førstelektor (eller dosent)”, Sommarøy, 20 June 2017 (8 hours). My lectures: “Scientific career” (“Vitenskapelig karriere”) (30 min.); “Lecturer and Professor - two equal career paths” (“Dosent og professor – to likestilte karriereveier”) (45 min.); “What characterizes a good research group?” (“Hva karakteriserer en god faggruppe?”) (60 min); “Career ladder: lecturer → senior lecturer → dosent” (“Karrierestige: lektor → førstelektor → dosent) (50 min.); “Do I need a plan? Presentation of possible career plan(s)” (“Trenger jeg en plan? Presentasjon av mulig karriereplan(er)”) (50 min.); “What would I emphasize if I was only allowed to give advice?” (“Hva ville jeg trukket fram dersom jeg kun fikk lov til å gi ett råd?”) (15 min.). Organizer: UiT.
- Career seminar for (upcoming) faculty members and researchers (at any levels) at Universitat Politècnica de València (UPV) (5 hours). Lectures: “How to establish a good working environment for research: What characterises a good research group?” (60 min), “Twelve advices on the road to land a professorship: How to think strategically about your research career” (75 min.), Valencia, Spain, 29 November 2017. Organizer: ITACA, UPV.
- Lecture on “Diabetes self-management research: How to motivate patients to stay healthy using mHealth and eHealth technology”, Medical faculty, Charles University, Prague, Czech Republic, Wednesday 20 December 2017 (45 min via Skype).
- Seminar/lecture: “HCP versus digital health: Can computers and technology replace the health care provider (HCP) in diabetes care?” (120 min.), Institute of Information and Communication Technologies (ITACA), Universitat Politècnica de València (UPV), Wednesday 28 February 2018.
- Seminar/ lecture: “Diabetes research in the Medical Informatics & Telemedicine group (MI&T) at Dept. of Computer Science, University of Tromsø – The Arctic University of Norway” (60 min.), Institute of Information and Communication Technologies (ITACA), Universitat Politècnica de València (UPV), Wednesday 28 February 2018.
- Seminar on “What every PhD student should know about science”, Institute of Information and Communication Technologies (ITACA), Universitat Politècnica de València (UPV), [ITACA-UPV PhD seminar May 2<sup>nd</sup> and 4<sup>th</sup>, 2018](#). Lectures: “Some thoughts about Science & Research” (90 min.), “Are you ready for a PhD program?” (30 min.), “What a Supervisor can help you with (in the PhD Program)” (30 min.), “The ‘almost perfect’ PhD dissertation” (30 min.), “How

- to write Research Papers” (120 min.), “Research Fraud – do scientists act unethical?” (60 min.), “Presenting Scientific Papers – Giving a talk at a conference” (120 min.). Organizer: ITACA, UPV.
- Network seminar for female assoc. professors at UiT who plan to become full professors: “From local research group to international research network” (“Fra lokal forskningsgruppe til internasjonalt forskernettverk”) (90 min.), University of Tromsø – The Arctic University of Norway, Wednesday 9 May 2018.
- Seminar on “The New Digital Medicine: Without computer science and technology, no modern medicine?” (90 min.), School of Computer Engineering, University of Seville, Seville, Spain, Thursday 21 June 2018.
- Seminar on “Diabetes research in the Medical Informatics & Telemedicine group (MI&T) at Dept. of Computer Science, University of Tromsø – The Arctic University of Norway” (45 min.), School of Computer Engineering, University of Seville, Seville, Spain, Thursday 21 June 2018.
- Seminar in “opprykkprosjektet” at UiT: “How to apply to a professor and dosent position” (“Søknad på professorat og dosentur”) (90 min.), University of Tromsø – The Arctic University of Norway, Sommarøy Arctic Hotel, Monday 20 August 2018.
- Seminar in “opprykkprosjektet” at UiT: “A (relatively) personal story about how to increase your publication rate” (“En (relativt) personlig beretning om hvordan øke publikasjonsraten”) (90 min.), University of Tromsø – The Arctic University of Norway, Sommarøy Arctic Hotel, Tuesday 21 August 2018.
- Lecture on “Diabetes Self-management: How to motivate people with diabetes to follow up their treatment regimen using mHealth and eHealth Technology”, Medical faculty, Charles University, Prague, Czech Republic, Wednesday 20 December 2018 (45 min via Skype).
- Lecture on “Promotion to Full Professor” (“Opprykk til professor”) (45 min.), Open seminar on how to become full professor (Åpent opprykksseminar), OsloMet, Oslo, 10 April 2019. Organizer: OsloMet.
- Seminar during “Program for young research leaders” (YFL) (in psychology at the University of Bergen, University of Oslo, NTNU Trondheim, University of Tromsø – The Arctic University of Norway), 20-21 August 2019, Tromsø, Norway. “Fra local research group to international network of researchers?” (150 min.). Organizer: UiT, NTNU, UiB og UiO.
- Seminar on “The Digital Health Revoulution: -radical Changes in Health Care Need Extensive Knowledge of ICT” (“Den digitale helserevolusjonen: Gjennomgripende endringer i helsevesenet krever omfattende IKT kompetanse”), (90 min), University of Agder (UiA), campus Grimstad, Norway, 7 November 2019.
- Lecture on “Diabetes Self-management using mHealth and eHealth technology: Motivating people with diabetes to follow up their treatment”, Medical faculty, Charles University, Prague, Czech Republic, Thursday, December 4, 2019 (45 min via Skype).
- Lecture (invited) on “Mobile technologies for self-management of chronic diseases (diabetes)”, Departamento de Ingeniería Informática, Universidad Autónoma de Madrid - Campus de Cantoblanco, Madrid, Spain, Tuesday 18 February 2020 (75 min.)
- Lecture on “The good application” (“Den gode søknaden (krav, tips og råd)”), Informasjonsmøte om opprykk til professor og dosent ved UiT, Thursday 14 May 2020. (45 min)
- Lecture on “A digital health (r)evolution” (“En digital helse(r)evolusjon”), Digitalt institutt møte Institutt for helse- og sykepleievitenskap, Universitetet i Agder, Wednesday May 3, 2020. (30 min lecture)
- Seminar in opprykksprosjektet at UiT: “How to apply for a professorship at UiT (and other Norwegian universities)” (120 min.), University of Tromsø – The Arctic University of Norway, digital seminar, Tuesday 8 December 2020.
- Lecture on “The digital health (r)evolution and (potential) consequences for people with diabetes”, Medical faculty, Charles University, Prague, Czech Republic, Wednesday, 9 December 2020 (45 min via Microsoft Teams).
- Seminar (online) for PhD students and assoc. professors participating in the IDUN project “From PhD to professor” at NTNU. Lecture: What are the scientific requirements to become a professor? (40 min.), Trondheim, 9. February 2021. Organizer: The IDUN project, NTNU.
- Lecture on “How to become a professor before you turn 40?”, In the conference “Better Balance in Informatics (BBi) is hosting a womENCourage pre-event in September”, workshop “From PhD

- to professor", Tromsø, September 21-22, 2021. Organizer: The BBI project at UiT and the IDUN project at NTNU.
- Lecture on "Lessons learned from being a mentor for female associate professors", WG3 workshop during the COST EUGain meeting, Madrid, Spain, October 27-28, 2021.
- Lecture on "Lessons Learned from 30 Years of Telemedicine in Northern Norway", Medical faculty, Charles University, Prague, Czech Republic, Wednesday December 8, 2021 (75 min via Microsoft Teams).
- 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 sykepleievitenskap, Universitetet i Agder, Rosfjord strandhotell, 7-8 June 2022. (120 min. lecture and discussion)
- Lecture on "How to become a professor or docent? Some advice towards your professor or docent position", adeptsamling in the Mentoring program (Mentoringprogrammet) for female assoc. prof. (førsteamanuenser) and senior lecturers (førstelektorer) at NTNU, Scandic Nidelven, Trondheim, 14 September 2022. (50 min. Lecture + 30 min discussion)
- Lecture on "Networking: From local research group to international researcher network", Helgeland Hospital Trust's Research Conference, Fru Haugans Hotell, Mosjøen, 30-31 October 2023. (60 min)
- Lecture on "Changing publishing traditions – does it concern me?", Helgeland Hospital Trust's Research Conference, Fru Haugans Hotell, Mosjøen, 30-31 October 2023. (60 min)
- Lecture on "Mentoring at HSYK? Why should I use a mentor to develop as a researcher?", Helgeland Hospital Trust's Research Conference, Fru Haugans Hotell, Mosjøen, 30-31 October 2023. (60 min)
- Lecture on "Technology for (self-)management of diabetes", Medical faculty, Charles University, Prague, Czech Republic, November 29, 2023 (45 min via Microsoft Teams).
- Lectures to Helgeland Hospital Trust's Research School:
1. "Kickoff: Helgeland Hospital Trust's Research School – what do we want?", January 30, 2024.
  2. "Plagiarism – perhaps the stupidest thing you can do as a researcher?", February 13, 2024.
  3. "What every (researcher) should know about research", March 12, 2024.
  4. "How to write a master's thesis, doctoral dissertation or scientific report?", April 9, 2024.
  5. "How to write a scientific article?", May 7, 2024.
  6. "How to present your own research at a scientific conference?", June 4, 2024.
  7. "*Don't be such a scientist!*» How to tell the good stories?", September 3, 2024.
  8. "Peer review and Referee reports", October 1, 2024.
  9. "What is a master's degree and how can I, as an employee at Helgeland Hospital, take 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.
  12. "How to Design an Academic Resume / CV?", April 29, 2025.
  13. "What Every (Scientist) Should Know About Research", September 23, 2025.
  14. "From patient-oriented idea to published study: How to succeed with clinical research at Helgeland Hospital?", October 21, 2025. (together with Venke A. Grane)
  15. "Scientific fraud in medical research", December 2, 2025.
  16. "How to apply for innovation funding from Northern Norway Regional Health Authority?", March 17, 2026.
- Seminar on doctoral supervision (NT Faculty's "PhD Supervisor Day"), Faculty of Science and Technology, UiT. I prepared the program for the seminar (09-15). My lecture: "The Ten Phases of Doctoral Supervision" (45+15 min), June 12, 2025.

Lecture on “How home health monitoring, smart sensors, small data and digital dust can extend or even save your life”, digital lecture April 21.,2026, University of Agder, Grimstad. (120 min)

## 22. REFEREE

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 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 (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, Gotenburg, 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, Kristiansand, 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)

Scandinavian Conference on Health Informatics 2018 (SHI2018), (28–29 August 2018, Aalborg, Danmark)

Scandinavian Conference on Health Informatics 2022 (SHI2022), (22–24 August 2022, Tromsø, Norway)

## 24. TEACHING<sup>53</sup>

Dept. of Computer Science, Hedmark College:

“User Interface Design”. Credit: 6 ECTS. Level: 2-3rd yr. (Fall-1996)

Bodø Graduate School of Business, Bodø 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)

INF-1017 “Personlige digitale helsesystemer” (“Personal Digital Health Systems”). Credits: 2,5. Level: Bachelor. Language: Norwegian. (online)

*MSc-level:*

D370 “Computer graphics”. Credits: 15 ECTS. Level: Graduate. (Fall-1990)

<sup>53</sup> 1 year full-time studies = 60 ECTS (European Credit Transfer and Accumulation System)

- 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)  
 INF-3780 “Advanced Health Informatics in Practice”. Credit: 10 ECTS. Level: 4th year. (Spring-2026)

*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/genres in indoor cycling exergames), 10 ECTS. Level: PhD. (Spring-2017)  
 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 helseteknologi”), 34 hours with lectures, Credit: 0 ECTS. Level: BSc. (Fall-2020)

Dept. of Health and Nursing Science, Univ. of Agder:

*PhD-level:*

HEL609 “Research in eHealth and Health Information Systems”, Credit: 5 ECTS. Level: PhD. Spring-2019, Spring-2021.

## 25. RESEARCH PROJECTS & GRANTS

NORWEGIAN

Nordland Research Institute:

Project: *STRATEX – Knowledge-based system for strategic market planning*  
 Period: 1987-1990  
 Role: Project member  
 Funding: Norges Fiskeriforskningsråd (NFFR)

Bodø Graduate School of Business:

Project: *Improved management with computers*  
 Period: 1987-1990  
 Role: Project member  
 Funding: Ministry of Administration, Norway

Norwegian Telecom Research Dept. Tromsø:

Project: *RATATOSK – an Adaptable User Interface to Computer-Mediated Communication*  
 Period: 1989-1991  
 Role: Project member  
 Funding: Norwegian Telecom

Dept. of Computer Science, University of Tromsø:

Project: *StormCast*  
 Period: 1987-1996  
 Role: Project co-leader<sup>54</sup>  
 Funding: Univ. of Tromsø, NT-progr., NIT, Hewlett-Packard

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<sup>54</sup>Together with prof. D.Johansen, UiT.

## Dept. of Computer Science, University of Tromsø:

Project: *Virtual Secretary*  
 Period: 1994-1999  
 Role: Project leader  
 Funding: Univ. of Tromsø AND Research Council of Norway (GDD)

## Dept. of Computer Science, University of Tromsø:

Project: *Software Prosthesis for Color Blind Users*  
 Period: 1996-1997  
 Role: Project leader  
 Funding: Univ. of Tromsø.

## Dept. of Computer Science, University of Tromsø:

Project: *The Global Distributed Diary (GDD)*  
 Period: 1996-2000  
 Role: Project leader  
 Funding: Univ. of Tromsø, Research Council of Norway € 182,000 [NOK 2 mill.]

## Dept. of Computer Science, University of Tromsø:

Project: *Symbo – A Symbol language-based e-mail handler for small children*  
 Period: 1997-2001  
 Role: Project leader  
 Funding: Univ. of Tromsø

## Dept. of Computer Science, University of Tromsø:

Project: GRO Comfort Zone for Elderly (*"The Good Room"*)  
 Period: 2000-2002  
 Role: Project leader  
 Funding: Univ. of Tromsø

## Norwegian Centre for Telemedicine, University Hospital of North Norway:

Project: *DiPato*  
 Period: 2000-2005  
 Role: Project leader  
 Funding: Research Council of Norway € 136,000 [NOK 1.3 mill.]

## Norwegian Centre for Telemedicine, University Hospital of North Norway:

Project: *Self-help through a mobile ICT tool*  
 Period: 2005-2008  
 Role: Project leader  
 Funding: Helse Nord<sup>55</sup> € 182 000 [approx. NOK 2 mill.]

## Norwegian Centre for Telemedicine, University Hospital of North Norway:

Project: *Tromsø Telemedicine Laboratory*  
 Period: 2007-2015 (Centre for research-based innovation).  
 Role: Center leader / Director  
 Funding: Research Council of Norway (€ 21.82 mill. [NOK 240 mill.]  
 (Divided into € 7.27 mill. [NOK 80 mill.] from RCN + approx. € 14.55 mill.  
 [NOK 160 mill.] from the partners)

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<sup>55</sup> Northern Norway Regional Health Authority (Helse Nord RHF) is responsible for the public hospitals in Northern Norway.



## Norwegian Centre for Telemedicine, University Hospital of North Norway:

Project: *Context-sensitive systems for mobile communication in hospitals*  
Period: 2007-2011  
Role: Project leader  
Funding: Research Council of Norway (NFR 176852/S10, € 400,000 [NOK 4.4 mill.])

## Norwegian Centre for Telemedicine, University Hospital of North Norway:

Project: *Impact of Experience Sharing on Type 2 Diabetes Self-Management*  
Period: 2011-2013  
Role: Project leader  
Funding: Helse Nord (€ 227,000 [approx. NOK 2.5 mill.])

## Dept. of Computer Science, University of Tromsø:

Project: *Mobile phone-based health information for people with diabetes*  
Period: 2011-2014  
Role: Project leader  
Funding: Tromsø forskningsstiftelse € 109,000 [approx. NOK 1.2 mill.])

## Norwegian Centre for Telemedicine, University Hospital of North Norway:

Project: *Moving pre-surgical planning from the hospital to the patient at home through electronic collaboration (eTeam-Surgery)*  
Period: 2013-2017  
Role: Project leader  
Funding: Helse Nord € 255,000 [approx. NOK 2.8 mill.])

## Norwegian Centre for Telemedicine, University Hospital of North Norway:

Project: *Moving pre-surgical planning from the hospital to the patient at home through electronic collaboration (eTeam-Surgery PostDoc #1)*  
Period: 2013-2017  
Role: Project leader  
Funding: Helse Nord € 245,000 [approx. NOK 2.7 mill.])

## Norwegian Centre for Telemedicine, University Hospital of North Norway:

Project: *Moving pre-surgical planning from the hospital to the patient at home through electronic collaboration (eTeam-Surgery PostDoc #2)*  
Period: 2013-2017  
Role: Project leader  
Funding: Helse Nord € 236,000 [approx. NOK 2.6 mill.])

## Norwegian Centre for Telemedicine, University Hospital of North Norway:

Project: *CADMOS – Connecting Children and Adolescents with Type 1 Diabetes in Rural Areas in North Norway through Mobile Phone-Based Social Video Games*  
Period: 2014-2017  
Role: Project leader  
Funding: Regional Research Fund North-Norway € 273,000 [approx. NOK 3 mill.])

## Norwegian Centre for Telemedicine, University Hospital of North Norway:

Project: *Smartphones in Type-2 Diabetes Group Education Programs*  
Period: 2014-2017  
Role: Project leader  
Funding: Helse Nord € 255,000 [approx. NOK 2.8 mill.])

## University Hospital of North Norway:

Project: *Effect of physical activity with e-health support in individuals with intellectual disabilities. A randomised controlled study*  
 Period: 2017-2024  
 Role: Project leader of technology-part  
 Funding: Helse Nord € 327,000 [approx. NOK 3.6 mill.]

## Dept. of Computer Science, UiT and University of Agder:

Project: *PIPP: Pre-operative, intramural and post-operative digital communication with patients*  
 Period: 2019-  
 Role: Project leader  
 Funding: Internal (1 research scholar)

## Dept. of Computer Science, UiT, University of Oslo, ABEL and Oslo University Hospital:

Project: *DiAchieve*  
 Period: 2022-  
 Role: Project member  
 Funding: Novo Nordisk (1 researcher)

## INTERNATIONAL

## Univ. of Tromsø, Univ. of Twente (NL), Univ. of Pisa (I):

Project: *Moby Dick*  
 Period: 1995-1997  
 Role: Project member  
 Funding: ESPRIT IV LTR.

## Norwegian Centre for Telemedicine, University Hospital of North Norway:

Project: *Renewing Health (REgionNs of Europe WorkINg toGether for HEALTH)*  
 Period: 2010-2013  
 Role: Project member  
 Funding: ICT Policy Support Programme (ICT PSP), part of EC's "Competitiveness and Innovation Framework Progr."

## Norwegian Centre for Telemedicine, University Hospital of North Norway:

Project: *"FI-STAR" (Future Internet Social and Technological Alignment Research)*  
 Period: 2013-2015  
 Role: Project member  
 Funding: European Community's Seventh Framework Programme (FP7-2012-ICT-FI) under grant agreement no. 604691

## Norwegian Centre for E-health Research, University Hospital of North Norway:

Project: *"HEIR" (A Secure Healthcare Environment for Informatics Resilience)*  
 Period: 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

## Dept. of Computer Science, University of Tromsø:

Project: *"WARIFA" (Watching the risk factors: Artificial intelligence and the prevention of chronic conditions)*  
 Period: 2021-2024  
 Role: Project member  
 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

Dept. of Computer Science, University of Tromsø:

Project: *“MOVE-IT - Development of a training program for improving physical exercise of people with intellectual disabilities through exergames and technology”*  
 Period: 2021-2023  
 Role: PI, UiT  
 Funding: Erasmus+ Call: KA220-ADU - Cooperation partnerships in adult education. UiT grant € 62,075 (of total € 281,339).

## 26. STUDENT ADVISING

| LEVEL                                       | COMPLETED  | CURRENT  |
|---------------------------------------------|------------|----------|
| BSc Thesis                                  | 2          |          |
| Internship                                  | 11         |          |
| <i>TOTAL UNDERGRAD.</i>                     | <i>13</i>  |          |
| Capstone projects (MSc)                     | 42         |          |
| Capstone projects (telemed)                 | 4          |          |
| <i>TOTAL CAPSTONE GRADUATE (Master)</i>     | <i>46</i>  |          |
| Siviløkonom (M.Econ.)                       | 5          |          |
| Sivilingeniør (Master technology) (30 ECTS) | 51         | 2        |
| Cand.scient. (MSc) (60 ECTS)                | 12         |          |
| Master (Computer Science) (30 ECTS)         | 1          |          |
| Master (Computer Science) (60 ECTS)         | 15         |          |
| Master in telemedicine & eHealth (30 ECTS)  | 5          |          |
| Master in telemedicine & eHealth (60 ECTS)  | 11         |          |
| Master digital health services (30 ECTS)    | 3          |          |
| Master (UiA) (30 ECTS)                      | 1          |          |
| Master in medical engineering (Germany)     | 1          |          |
| Master in health informatics (Sweden)       | 1          |          |
| <i>TOTAL GRADUATE (Master)</i>              | <i>106</i> | <i>2</i> |
| PhD (International)                         | 1          |          |
| Dr. scient.                                 | 2          |          |
| PhD                                         | 15         | 4        |
| <i>TOTAL GRADUATE (PhD)</i>                 | <i>18</i>  | <i>4</i> |

### INTERNSHIP-THESIS

1. Annelies Tiemersma, “Evaluation and redesigning of the Ascom 9d24 user interface for for Context Sensitive Communication in hospitals”, 10 weeks, Fall 2009 (From: University of Twente, NL).
2. Edouard Kerbage, “Redesign of the Ascom d62 user interface for context-sensitive communication in hospitals”, 10 weeks, Spring 2010. (From: xXia, France).
3. Alain Giordanengo, “Android phones in context-aware systems for mobile communication in healthcare”, 10 weeks, Spring 2011. (From: xXia, France).
4. Bernd Talsma, “Interruption management for mobile communication based on context – part of a context sensitive system for mobile communication in hospitals”, 10 weeks, Fall 2012 (From: University of Twente, NL).
5. Jonas Weber, “CallMeSmart for Windows Phone 8”, Spring 2013. (From: Hochschule Furtwangen University, Germany)
6. Adrienne Hanenburg, “CallMeSmart – Context Sensitive Communication System”, 10 weeks, Summer 2014 (From: University of Twente, NL)
7. Hette Iedema, Android phones in context-aware systems for mobile communication in healthcare”, 10 weeks, Fall 2014. (From: University of Twente, NL.)

8. Pietro Randine, "Furby toy as a multi-modal companion for people with diabetes", 3 months, Spring 2016. (From: Università degli Studi di Milano-Bicocca, Italy)
9. Fernanda Teixeira Borja dos Santos, "Context sensitive system for secure communication between pre-surgical patients and health personnel", 3 months, Spring 2016 (From: Polytech Grenoble, France)
10. Karolina Gortatowicz, "Designing of a gossip- and brag-function for the self-management system for people with diabetes", 2 months, July-August 2018. (From: University of Lodz)
11. Matéo Rullier, Predicting Migraine episodes using activity tracker and Machine learning", 5 months, March-August 2025. (From: University of LeMans)

#### CAND. MAG. (BSC THESIS)

1. Roar Steen, "Cooperation between rule-based systems", Fall-1989.
2. Svetoslav Marinov, "Spoken input to a net bank for senior citizens", Spring-2002.

#### SEMESTER-THESIS / CAPSTONE PROJECTS

1. Sverre Arne Hanssen, "SatellitCast: a satellite-based application for monitoring and transmission of meteorological data", Spring-1992.
2. Olav Nybø, "Transmission of video signal in computer networks", Spring-1993.
3. Harald Jensen, "GIS", Spring-1993.
4. Tor Andre Grenersen, "VR in AutoCAD", Fall-1995.
5. Dag Brattli, "Dynamic management of wired and wireless computer network connection for MOBY DICK", Spring-1996.
6. Dag Frode Olsen, "Distributed diary for MOBY DICK", Spring-1996.
7. Ingeborg Hellemo, "User modelling in Virtual Secretary: e-mail sorting based on Quinlan's ID3 algorithm", Spring-1996.
8. Chen-Gian Bian, "A Proposal for System Architecture for Cooperative Agents in the Virtual Secretary Project", Spring-1996.
9. N.H.Nguyen, "Software Prosthesis for Color-Defective Vision on Windows 95/NT", Spring-Fall-1997.
10. Heidi Villmones Hundåla, "Construction of a Virtual Secretary e-mail Service", Fall-1997.
11. Kenneth Osenbroch, "TelTrack", Fall-1998. (Department contact)
12. Kai Vidar Falao: "Smart house infrastructure in the The good room (Det gode rommet)", Fall-2000.
13. Vegard Jørgensen, "Online banking system for large high-resolution displays, with special emphasis on the user interface", Spring-2001.
14. Øivind Skogstrand, "Next generation smart house architecture", Spring-2001.
15. Espen Molund, "Automatic control of blood glucose level for diabetics – the communication unit", Spring-2001.
16. Bernt Ivar Olsen, "Intelligent pill boxes", Spring-2002.
17. Øystein Sletteng, "Patient diary," Spring-2003.
18. Cathrin Simonsen, "Patient diary as a tool for patient empowerment", Spring-2004. (10 ECTS)
19. Daniel Nygård, "Instant messages in a Peer-to-Peer network", Spring-2004. (20 ECTS)
20. Bård Johan Hanssen, "Location tracking in a hospital environment based on the CallMeSmart project", Fall 2014. (INF-3983) (20 ECTS)
21. Stig Roar Karlsen, "Self-management of diabetes by using smart devices", Fall 2014. (INF-3983) (20 ECTS)
22. Ida Charlotte Rønningen, "Multiple rewards in social games for young people with diabetes", Fall 2015-Spring 2016. (INF-3983) (20 ECTS)
23. Martin Haugen Mikalsen, "Group-based Internet of Things Mini Displays", Fall 2017. (INF-3983) (20 ECTS)

24. Sophie Peltier, "Replacing traditional telemedicine services (in Norway) with smartphone- and pad-enabled telemedicine services", Fall-2019. (INF-3982) (10 ECTS)
25. Camille Bason, "Detecting health changes through monitoring of health parameters from digital devices" Fall 2019. (INF-3982) (10 ECTS)
26. Hugo Broucke, "Detecting health changes through monitoring of health parameters from digital devices", Fall 2019. (INF-3982) (10 ECTS)
27. Asgeir Nilsen, "Recording physical activity on exercise bicycles for people with intellectual disabilities", Fall-2019. (INF-3983) (20 ECTS)
28. Evelyne Rwalinda, "Group-based Motivation, Notification and Warning System for People with Diabetes", Spring 2020. (INF-3982) (10 ECTS)
29. Clara Bonneville, "Digital ambient social interactions", Spring 2020. (INF-3982) (10 ECTS)
30. Benjamin Bakli Aglen, "Game-inspired app for pre-operative, intramural and post-operative digital communication with patients", Fall-2020. (INF-3983) (20 ECTS) (Co-supervisor)
31. Thonas Luzi, "Game-inspired app for recording of outdoor physical activity – Motivational factors for people with intellectual disabilities", Fall-2021. (INF-3983) (20 ECTS) (Co-supervisor)
32. Helle Sandsdalen, "A social media chatbot connected to activity trackers for increasing physical activity", Fall-2021. (INF-3983) (20 ECTS) (Co-supervisor)
33. Bernt Julian Klevstad, "Smartwatches as the New Personal Digital Assistant, case Diabetes", Fall-2021. (INF-3983) (20 ECTS) (Co-supervisor)
34. Beatrice Lorentzen, "Diabetes Diary GUI", Fall-2021. (INF-3983) (20 ECTS) (Co-supervisor)
35. Dorthe Andersen Dybwad, "Internationalizing an Augmented Reality Game Created for People with Intellectual Disabilities", Fall-2022. (INF-3983) (20 ECTS) (Co-supervisor)
36. Neethan Puvanendran, "Designing an Intelligent Mobile Nutritional Delivery-System: Dealing with glucose instability for physically active people with diabetes", Fall-2022. (INF-3983) (20 ECTS) (Co-supervisor)
37. Sigurd Johannes Brattland, "A mobile system for managing type 1 diabetes in children", Fall-2022. (INF-3983) (20 ECTS) (Co-supervisor)
38. Konrad Gutvik Grand, "Subjective data recording for an objective data collection tool", Spring-2024. (INF-3983) (20 ECTS) (Co-supervisor)
39. Jørgen Kiil Olsen, "Persuasive technology and design in diabetes self-management applications", Fall-2024. (INF-3983) (20 ECTS)
40. Alan Dicle Demirbas, "Exploring IT-systems for parents of children with Type 1 diabetes", høst-2025. (INF-3983) (20 ECTS) (Co-supervisor)
41. Ulrik Johnsen Brochmann, "Predicting Migraine episodes using activity tracker and Machine learning", høst-2025. (INF-3983) (20 ECTS) (Co-supervisor)
42. Anna Eline Wefring De Vito, "A Cross-Platform Mobile Application for Consumer Wearable Health Monitoring", Spring-2026. (INF-3983) (20 ECTS) (Co-supervisor)

#### CAPSTONE PROJECTS (MASTER IN TELEMEDICINE)

1. Terje Johannesen, "Availability of broadband satellite Internet connections suitable for telemedical services for the Dodoma regional blood transfusion centre Dodoma, Tanzania", Fall-2006. (INF-3982)
2. Taridzo Chomutare, "A context-sensitive framework for mobile terminals for assisting Type 2 diabetes patients", Fall-2007. (INF-3982)
3. Sanjaya Babu Dhakal, "Radiology workstation for tiled display walls", Fall-2008. (INF-3982)
4. Stefano Fasani, "A test platform for Context Sensitive Communication in hospitals based on a Ascom/triobox system", Fall-2009 (INF-3983) (20 ECTS)

## SIVILØKONOM (MASTER OF BUSINESS AND ADMINISTRATION)

1. Mariann Bjønness, "Improved intra communication: Is email the solution? A demand analysis of Nordlandsbanken.", Spring-1989. (2 students: Together with O-H.A.Cappelen)
2. Ole-Herman Aas Cappelen, "Improved intra communication: Is email the solution? A demand analysis of Nordlandsbanken.", Spring-1989. (2 students: Together with M.Bjønness)
3. Randi O.Enge, "Credit rating in banking: can a decision support system improve the process of credit rating? A demand analysis of Nordlandsbanken.", Fall-1989. (3 students: Together with L.Buschmann and G.V.Paulsen)
4. Laila Buschmann, "Credit rating in banking: can a decision support system improve the process of credit rating? A demand analysis of Nordlandsbanken.", Fall-1989. (3 students: Together with R.O.Enge and G.V.Paulsen)
5. Gry V.Paulsen, "Credit rating in banking: can a decision support system improve the process of credit rating? A demand analysis of Nordlandsbanken.", Fall-1989. (3 students: Together with R.O.Enge and L.Buschmann)

## SIVILINGENIØR (M.ENG.) (30 ECTS)

1. Kai Mathisen, "ArcticStormCast – prediction of dramatically weather changes in the Artics", Fall-1991.
2. Hans Erik Pedersen, "Design of a graphical user interface for HAVINFO", Fall-1991.
3. Eirik Blix, "Construction of an environmental application for monitoring of waterways", Fall-1992.
4. Wenche Brataas, "Description and evaluation of GUI for integration of drawings (DAK) and construction data for buildings (external data base)", Fall-1992.
5. Asbjørn Oskal, "Design of man-machine interface for a surveillance system in Bardu municipality", Fall-1992.
6. Harald Skotnes, "3D GIS for visualisation of output from meteorological atmospheric models", Fall-1993.
7. Olav Nybø, "Visual weather observations – low-bandwidth transmission, storing and retrieving of video signals", Fall-1993.
8. Vahid Farsi, "Administration of scaling in distributed applications. Software architecture for monitoring of meteorological data", Fall-1993.
9. Bjørn Stabell, "Software Prosthesis for Color-Defective Vision", Fall-1994.
10. Kjetil Kolin, "PASTA File Repository Client", Fall-1995.
11. Dag Frode Olsen, "A File Repository Based Distributed Diary in a Mobile Environment", Fall-1996.
12. Dag Brattli, "Dynamic and Seamless Switching Between Wired and Wireless Networks", Fall-1996.
13. Stian Andorsen, "User interface for Symbo: A symbol based email client for young children", Fall-2001.
14. Kai Vidar Falao, "The good room infrastructure: A smart home infrastructure based on scaling, authorisation and alarm handling", Fall-2001.
15. Vegard Jørgensen, "Online banking user interface for senior citizens based on large high-resolution displays", Fall-2001.
16. Øyvind Skogstrand, "GRO Comfort Zone Infrastructure: A Home Network Infrastructure that Prioritize Seamless Integration and Extensibility", Fall-2001.
17. Erlend Bønes, "Pasent – the Patient's Personal Health Advisor", Fall-2001.
18. Ivar Ness, "Visualization and modification of neural network based information filters: The PaSent approach", Fall-2002.
19. Bernt Ivar Olsen, "EHR based medication monitoring and control", Spring-2003.
20. Siren Zeitz Schou Lund, "Integration of data from BodyMedias SenseWear Armband in PASKOR and PanDa: An example of integration of sensor data in electronic health records", Fall-2003.
21. Bodil Johnsen, "Electronic notice board for homes, habitats and residential areas", Fall 2003.

22. Kristian B. Rolandsen, "PASENT: Electronic Health Advisor", Fall-2003 - Spring-2004.
23. Kristian Johansen, "PASENT: Electronic Health Advisor", Fall-2003 - Spring -2004.
24. Øystein Sletteng, "PanDa: Electronic patient diary for control with medication", Fall-2003 - Spring-2004.
25. Jan M. Jensen, "Electronic Medicine List", Spring-2004.
26. Bernt Tore Hagberg, "LAVAL – Location-based administration and alerting service for search operations" (LAVAL – Lokasjonsbasert Administrasjons- og Varslingstjeneste for Letaeksjoner), Fall-2004.
27. Jon Berg, "Semi-Automatic Analysis of Web Pages." Spring 2005.
28. Daniel Nygård, "TAB-IM: Telemedicine Availability Broker: Instant Messaging in Health-Sector," Fall-2005
29. Cathrin Simonsen, "SymboMed: Symbol-based medication list for small children", Spring-2005.
30. Bård Johan Hanssen, "Beyond hospital walls – Extramural mobile communication with CallMeSmart", Spring 2015.
31. Mats C. Sørensen, "The We.Tree app – connecting young individuals with diabetes mellitus type 1 in rural areas through serious games", Fall 2015.
32. Harald Arntsen, "CallMeSmart – Handling alarms from Ascom", Fall 2016.
33. Ida Charlotte Rønningen, "Diaquarium - a social game for young people with diabetes", Fall 2016.
34. Martin Haugen Mikalsen, "Group-based Internet of Things Mini Displays for People with Type 1 Diabetes", Spring 2018.
35. Sverre Coucheron, "EDMON – An Infection Detection System in People with Type 1 Diabetes: A wireless communication platform", Spring 2019.
36. Marius Foshaug Wiik, "A game-inspired and avatar-based health-model for monitoring and increasing physical activity among people with intellectual disabilities", Spring 2019.
37. Tobias Robin Borgen Olsen, "DiDiMAP - Diet Diary for Monitoring of low-FODMAP Diet App", Spring 2019.
38. Vebjørn Haugland, "Game-inspired app for recording of outdoor physical activity (walking, hiking) for people with intellectual disabilities", Spring 2019.
39. Asgeir Nilsen, "Improved physical activity using exercise bicycles for people with intellectual disabilities", Spring-2020.
40. Thomas Eilertsen, "Activity Game Avatar: A interactive exergame for people with intellectual disabilities - Physical activity combined with motivational mechanics in a game-environment", Fall 2020 – Spring-2021.
41. Joakim Sjøhaug, "Motivation, Notification and Warning System for people with diabetes using Internet of Things Mini Displays", Spring-2021.
42. Benjamin Bakli Aglen, "Preparing for hospital visits using data from sensors, mobile phone apps and electronic Patient Reported Outcome Measures (ePROM)", Spring-2021.
43. Bernt Julian Klevstad, "From Palm to Arm: The system design of a standalone smartwatch application for diabetes management", Spring-2022. (Co-supervisor)
44. Thonas Luzi, "Sorterius 2: Implementing Motivational Features for an Augmented Reality Game Encouraging Physical Activity for Persons with Intellectual Disabilities", Spring-2022. (Co-supervisor)
45. Dorte Dybwad, "Internationalizing mobile health applications for persons with intellectual disabilities", Spring-2023. (Co-supervisor)
46. Neethan Puvanendran, "Intelligent Mobile Nutritional Delivery-System", Spring-2023. (Co-supervisor)
47. Sigurd Johannes Brattland, "A mobile system for managing type 1 diabetes in children", Spring-2023. (Co-supervisor)
48. Andreas Hansen Brunes, "Game-inspired app for pre-operative, intramural and post-operative digital communication with patients: The PIPP project", Spring-2023.
49. Jørgen Kiil Olsen, "Designing a Group-Motivated Mobile Application for Type 2 Diabetes Self-Management in Norway", Spring-2025.

50. Ulrik Johnsen Brochmann, "Comparative Analysis of Data Quality in Consumer Grade Wearables With Raw Data Capabilities and Research Grade Wearables", Spring-2026. (Co-supervisor)
51. Tommy Nguyen, "mSpider – Light matrix visualizing of physical activity at the population level", Spring-2026.
52. Alan Dicle Demirbas, "TBD", Fall-2026. (Co-supervisor)
53. Robby Varun Veerasingam, "TBD", Fall-2026.

#### CAND.SCIENT. (MSC) (60 ECTS)

1. Bente Høgtun, "Construction of StormCast v 2.01 and evaluation of its multimedia architecture", Spring-1993 - Spring-1996
2. Roy Willy Haug, "Weather forecasts anno 2010", Fall-1993 - Spring-1997.
3. Stein Olav Tønnesen, "Multimedia in DOS – requirements for network services", FORUT-IT, Spring-1992 - Fall-1993. (Department contact)
4. Roy Arild Widding, "The Virtual Secretary Active Program Protocol", Spring-1994 - Fall-1997.
5. Johan Gustav Bellika, "The Virtual Secretary User Models", Spring-1995 - Fall-1997.
6. Ronny Arild, "Security in PASTA: Secure Communication between Clients and Servers Using FRTP", Fall-1995 - Fall-1998.
7. Gaute Moxnes, "Design and implementation of replication in File Repository", Fall-1995- Spring-1997.
8. Chen-Gian Bian, "An Experimental Environment for Cooperative Agents", Fall-1996- Fall-1997.
9. Kai Even Nilsen, "SymboL – a symbol-based language Symbo", Fall-1997 - Spring-2007.
10. Geir Myhre, "Replicated File Repository based Distributed diary", Fall-1997 - Spring-2001.
11. Jannicke I. Kristoffersen, "Communication needs and communication infrastructure in private homes", Spring-2002 - Fall-2004.
12. Joakim Solbakk, "Sensor integration in electronic health records: Integration of data from PiKo Flow Meter in Proper", Fall-2002 - Spring-2007.

#### MASTER OF SCIENCE (MSC) (30 ECTS)

1. Lorenzo Gironi: "A prototype system for Context Sensitive Communication in hospitals based on an Ascom/trixbox experimental platform", Spring-2011.

#### MASTER OF SCIENCE (MSC) (60 ECTS)

1. Stein Roar Helle, "SymboPaD: A painting- and symbol-based electronic patient diary for children", Spring-2003 – Spring-2005.
2. Thomas Sveen, "Asthma Patient Diary (AsthmaPaD): Telehomecare and follow-up of asthmatic children without writing and reading skills", Fall-2004 - Spring-2005.
3. Ove Granberg, "The Infectious Health Analysis (IHAS) system: Detecting infections by auditing and analyzing captured infection indicator parameter data from sensors patients", Spring-2006.
4. June Henriksen, "An Open Source PACS study", Spring-2006.
5. Harald S.Hanssen, "Design and implementation of an Encourager and Motivator Application of Physical Activity based on Bluetooth devices and Argos Middleware Platform", Spring-2008.
6. Aleksandr Agafonov, "Diabetes Automata for Serious Games", Fall-2014 - Spring-2015.
7. Valter Berg, "Recording physical activity on exercise bicycles for people with intellectual disabilities", Fall-2018–Spring-2019.



8. Madhu Koirala, “EDMON – Integrating Various Sensors Readings from Mysignal into a Standalone Diabetes Mobile Health App”, Fall-2019–Spring-2021.
9. Magnus Stellander, “Game-inspired app for recording of outdoor physical activity (walking, hiking) for people with intellectual disabilities”, Fall-2020–Spring-2021.
10. Markus Madsen Fenes, “mSpider - Secure collecting of physical activity data from study participants through mobile solutions”, Fall-2022–Spring-2023. (co-supervisor)
11. Keerthana Sivakumar, “Game-inspired app for recording of outdoor physical activity - Customizing game content for improved involvement for people with intellectual disabilities”, Fall-2021–Spring-2023. (Co-supervisor)
12. Karianne Aho, “Self-Management System for Sami-speaking People with Diabetes Type 2 in the Sapmi region”, Fall-2023–Spring-2024.
13. Johan-Niillas Ludviksen Jernsletten, “Personal digital health models (Digital twins) for supporting pre-operative, intramural and post-operative digital communication with patients”, Fall-2024–Spring-2025.
14. Aditya Ponnappan, “mSpider – Privacy preserving continuous physical activity data collection from study participants through mobile solutions”, Fall-2024–Spring-2025.
15. Jørgen Elias Henriksen, "TIPA – Team-based game for increasing physical activity in private and public companies, organisations, schools and sports clubs", ", Fall-2025–Spring-2026.

#### MASTER IN TELEMEDISIN AND E-HEALTH (MSc) (30 ECTS)

1. Gudleif Aronsen, “Visualization of contagious disease outbreak information for primary care physicians”, Spring-2007. (30 ECTS)
2. Anders Baardsgaard, “The Scandinavian Health Network: Connecting the Scandinavian countries’ health networks”, Spring-2007. (30 ECTS)
3. Harald Igesund, “Writing Electronic nursing care plans: An approach to facilitate navigating the standardized nursing vocabularies NANDA and NIC”, Spring-2007. (30 ECTS)
4. Terje Johannesen, “Mobile blood donor registration system, Dodoma Regional Blood Transfusion Centre, National Blood Transfusion Service, Doodoma/Dar es Salaam, Tanzania”, Spring-2007. (30 ECTS)
5. Taridzo Chomutare, “A context-sensitive framework for mobile terminals for assisting Type 2 diabetes patients”, Spring-2008. (Award: Best master thesis in 2008 at the Faculty of Science) (30 ECTS)

#### MASTER IN TELEMEDISIN AND E-HEALTH (MSc) (60 ECTS)

1. Ashokbaku Ravuri, “A prototype system for Context Sensitive Communication in hospitals based on an Ascom/trixbox experimental platform”, Fall-2009 / Spring-2010 (60 ECTS).
2. Joanna Adobea Dawson, “Comparative study on system requirements and success factors of telemedicine solutions in resource-poor settings”, Fall-2010 / Spring-2011 (60 ECTS).
3. Eunji Lee, “Smart Carb - a mobile nutrition self-management application for people with diabetes”, Fall-2010 / Spring-2011 (60 ECTS).
4. Kassaye Yitbarek Yigzaw, Snow Integrated Communicable Disease Prediction Service. Fall-2011 / Spring-2012 (60 ECTS). (Co-supervisor)
5. Alexandra Makhlysheva, “A mobile phone-based serious game for children with Type 1 diabetes”, Fall-2012 / Spring-2013 (60 ECTS).
6. Kristina Livitckaia, “Diabetes Care”: Application Development to Support Diabetes Management in General Practice. Fall-2013 / Spring-2014 (60 ECTS).
7. Petros Endale Begna, “Home Based Monitoring of Health Status of Pre-Surgical Patients: Patient Centred Collaborative Care to Reduce Surgery Cancellation.” Fall-2013 / Spring-2014 (60 ECTS).
8. Dmitry Fatiev, “Object tracking for improved telementoring and telestration”, Fall-2014 / Spring-2015 (60 ECTS).

9. Sanjit Jung Thapa, “eMedication - a smartphone-based e-medication system for hospitalized patients”, Fall-2014 / Spring-2015 (60 ECTS).
10. Ashenafi Zebene Woldaregay, “Electronic Disease Surveillance System Based on Inputs from People with Diabetes: An Early Outbreak Detection Mechanism”, Fall-2015 / Spring-2016 (60 ECTS).
11. Prosper K. Yeng, “Implementation of Cluster Detection Mechanism of Syndromic Surveillance System in EDMON”. Fall-2018–Fall-2019. (60 ECTS)

#### MASTER IN DIGITAL HEALTH SERVICES (MSC) (30 ECTS)

1. Ann-Kristin S Rasmussen, “Multidose in e-prescription: Optimising practice based on feedback from healthcare professionals” (“Multidose i e-resept: Optimalisering av praksis basert på tilbakemeldinger fra helsepersonell”), Fall-2024–Spring-2025. (30 ECTS)
2. Synne Mari Trælnes, “Multidose in e-prescription: Optimising practice based on feedback from healthcare professionals” (“Multidose i e-resept: Optimalisering av praksis basert på tilbakemeldinger fra helsepersonell”), Fall-2024–Spring-2025. (30 ECTS)
3. Stian Skogly, “Multidose in e-prescription: Optimising practice based on feedback from healthcare professionals” (“Multidose i e-resept: Optimalisering av praksis basert på tilbakemeldinger fra helsepersonell”), Fall-2024–Spring-2025. (30 ECTS)

#### MASTER IN HEALTH- AND SOCIAL INFORMATICS, UNIVERSITY OF AGDER (30 ECTS)

1. Sigrid Selheim Huglen, “Telemedisin i spesialisthelsetjenesten: Helsepersonell sine erfaringer med oppfølging av premature barn ved bruk av videokonsultasjon”, Fall-2020–Spring-2021 (40 ECTS).

#### MASTER OF SCIENCE IN MEDICAL ENGINEERING / MEDOZINTECHNIK (TU MÜNCHEN)

1. Uwe Tränkler, “Video Quality of 3G Videophones for Telephone CPR”, Spring-2007.

#### MASTER OF SCIENCE IN HEALTH INFORMATICS (HEALTH INFORMATICS CENTRE, KAROLINSKA INSTITUTET, STOCKHOLM, SWEDEN) (30 ECTS)

1. David Zacharie-Issom, “Investigating needs and barriers in developing e-health tools supporting self-management of patients with Sickle Cell Disease”, Spring-2015.

#### PHD

1. Wen Cao, “Achieving Efficient Cooperation in a Multi-Agent World: The Twin-Base Agent Modeling”, Fall-1994 – Fall-1997. (Dissertation submitted September 1997. Defended 4.12.1997)
2. Johan Gustav Bellika, Spring-2000 – Spring-2006. “The Snow Agent system. A mobile agent system platform for extending electronic health record systems with clinical decision support modules”. (Dissertation submitted February 2006. Defended 4.10.2006)
3. Eirik Årsand, Spring-2005 – Fall-2009. “The Few Touch Digital Diabetes Diary – User-Involved Design of Mobile Self-Help Tools for People with Diabetes” (Dissertation submitted July 2009. Defended 10.12.2009)
4. Bernt Ivar Olsen, Fall-2004 – Spring-2012. “Display Scale in a ‘Document’ perspective: size matters.” (Dissertation submitted May 2012. Defended 26.11.2012.)
5. Ståle Walderhaug, Spring-2007 – Fall-2012. “Model-Driven Software Development for Continuity of Care Information Systems: Toolchain design and evaluation.” (Dissertation submitted 14.11.2012. Defended 13.02.2013)

6. Terje Solvoll, Spring-2007 – Spring-2013. “From being interrupted by mobile devices to CallMeSmart.”. (Dissertation submitted 30.4.2013. Defended 22.08.2013)
7. Naoe Tataru, Spring-2008 – Fall-2013. “Studying usage and experiences of mHealth technology for its improved usability - Mixed methods research for understanding users’ long-term engagement with the Few Touch application for self-management of Type 2 diabetes mellitus” (Dissertation submitted 24.10.2013. Defended 28.02.2014)
8. Andre Dias, Spring-2008 – Fall-2013. “Associations of pulmonary parameters with accelerometer data”. (Dissertation submitted 26.11.2013. Defended 25.03.2014)
9. Taridzo Chomutare, Spring-2011 – Fall-2013. “Complex Network Structure Patterns in Open Internet Communities for People with Diabetes”. (Dissertation submitted 31.12.2013, Defended 14.05.2014.)
10. Andrius Budrionis, Spring-2012 – Fall-2015. “Web-Based Surgical Telementoring. Service design and evaluation of the key features” (Dissertation submitted 11.06.2015, Defended 13.10.2015.) (Co-supervisor)
11. Kassaye Y. Yigzaw, Spring-2013 – Fall-2016. “Towards Practical Privacy-Preserving Distributed Statistical Computation of Health Data” (Dissertation submitted 11.10.2016, Defended 10.01.2017.) (Co-supervisor)
12. Alain Giordanengo, høst-2015–Spring-2020. Title: “Using FullFlow to manage the overwhelming flood of patients’ self-collected health data: A system that addresses acceptance barriers regarding the introduction of diabetes patients’ self-collected health data into electronic health records and medical consultations”. (Dissertation submitted 31.12.2019, Defended 31.03.2020.)
13. Miguel Angel Tejedor Hernandez, Fall-2016–. Preliminary title: “Glucose Regulation for In-Silico Type 1 Diabetes Patients Using Reinforcement Learning” (Dissertation submitted 02.03.2021, Defended 07.05.2021) (Co-supervisor)
14. Ashenafi Zebene Woldaregay, Spring-2016–Fall-2021. “EDMON - Electronic Disease Surveillance and Monitoring Network: A Personalized Health Model-based Digital Infectious Disease Detection Mechanism using Self-Recorded Data from People with Type 1 Diabetes”. (Dissertation submitted 15.02.2021, Defended 28.05.2021.)
15. Andre Henriksen, Fall-2016–Spring-2021. “Continuous physical activity recording: Consumer-based activity trackers in epidemiological studies” (Dissertation submitted 02.03.2021, Defended 04.06.2021.) (Co-supervisor)
16. Pietro Randine, Fall-2019–Fall-2024. “Dia-Continua: An Information System for Type 1 Diabetes Consultation. (Interoperability, Privacy, and Information Quality on a FHIR-Based Information System for Type 1 Diabetes Consultations based on Patient-Generated Health Data)” (Dissertation submitted 25.03.2024, Defended 30.05.2024) (Co-supervisor)
17. Henriette Mikalsen, Fall-2017–Fall-2024. (Health science UiT) “Encouraging participation in physical activity for individuals with intellectual disability: Motivational factors, barriers, and mHealth applications” (50% position) (Dissertation submitted 01.03.2024, Defended 11.06.2024.) (Co-supervisor)
18. Svein-Gunnar Johansen, Fall-2014 -. Preliminary title: “*Serious games for children with Type 1 diabetes*” ) (Co-supervisor)
19. Erlend Johannessen, Fall-2020 -. Preliminary title: *An infrastructure for large scale health monitoring of the citizens of Tromsø.* (Co-supervisor)
20. Khayam Ashraf Butt, Fall-2022-. Preliminary title: “*Implications of telecommunication technology in clinical surgery and surgical education*”, Department of Clinical Medicine, Faculty of Health Sciences, University of Tromsø – The Arctic University of Norway (Co-supervisor)

#### PHD (NTNU)

1. Marte Hoff Hagen, Spring 2022–. Preliminary title: *Designing Digital Psychosocial Follow-up of Survivors of Childhood Critical Illness.* (Co-supervisor)

## PHD (INTERNATIONAL)

1. David-Zacharie Issom, Spring-2016-Fall-2021. “Empowering Individuals with Sickle cell disease Through Crowdsensing: A Patient-led Approach”, Institute of Global Health, Division of Primary Care Medicine, Faculty of Medicine, University of Geneva (UNIGE). (Defense: 14.09.2021) (Co-supervisor)

## 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. Conceição 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, 2000-2002.
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.

Datadid/Rank Xerox's prize, 1986 (Xerox 1186 incl/Interlisp-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.**, Richardsen, 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”

Forny Nord-Norges idekonkurranse, Fall-1996. 2<sup>nd</sup> place. Value: NOK 20.000.

Best poster MIE 2005 (Geneva, September 2005): Helle, S.R., **Hartvigsen, G.** “SymboPaD – 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., Bolle, 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.  
 "Den Gyldne Bug", 2020, Honorary prize, CandiData (alumni), Dept. of Comp. Science, UiT.

## 28. PUBLICATIONS (SELECTED)

### JOURNAL PAPERS

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2. **Hartvigsen, G.** Karakteristika ved et aktivt forskningsmiljø. (“Characteristics of an active research environment”) Manuscript, Institutt for informatikk, Universitetet i Tromsø. (Updated August 2002) (12 pages) (In Norwegian)
3. **Hartvigsen, G.** Hvordan bli professor før du er 40? (Manuscript) Institutt for informatikk, Universitetet i Tromsø (Updated July 2011). (16 pages) (In Norwegian)  
URL: <http://hdl.handle.net/10037/4479>
4. **Hartvigsen, G.** How to become a (full) professor before you turn 40? (Manuscript) Department of Computer Science, University of Tromsø. (Updated July 2011). (16 pages)  
URL: <http://hdl.handle.net/10037/4480>
5. **Hartvigsen, G.** Søknad på professorat. (Manuscript) Institutt for informatikk, Universitetet i Tromsø (Updated April 2011). (15 pages) (In Norwegian)  
URL: <http://hdl.handle.net/10037/4477>
6. **Hartvigsen, G.** How to apply for a professorship (in Norway). (Manuscript) Department of Computer Science, University of Tromsø. (Updated July 2011). (16 pages)  
URL: <http://hdl.handle.net/10037/4478>
7. **Hartvigsen, G.** Hvordan bli professor før du er 40? (Alternativt – Hvordan bli professor?) (Manuskript) Institutt for informatikk, Universitetet i Tromsø – Norges arktiske universitet. (Updated May 2015). (17 pages)  
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8. **Hartvigsen, G.** How to become a professor before you turn 40? (Alternatively – How to become a professor?) (Manuscript) Department of Computer Science, University of Tromsø – The Arctic University of Norway. (Updated May 2015). (18 pages)  
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9. **Hartvigsen, G.** Søknad på professorat ved norske universiteter og høyskoler. (Manuskript) Institutt for informatikk, Universitetet i Tromsø – Norges arktiske universitet. (Updated May 2015). (15 pages)  
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10. **Hartvigsen, G.** How to apply for a professorship at Norwegian Universities and University Colleges. (Manuscript) Department of Computer Science, University of Tromsø – The Arctic University of Norway. (Updated May 2015). (16 pages)  
URL: <http://hdl.handle.net/10037/4478>
11. **Hartvigsen, G., Dahl, T.I.** Possible topic of mentor talks in the senior lecturer program at UiT (“Mulige tema for mentorsamtaler i førstelektorprogrammet ved UiT”). Internt notat, Universitetet i Tromsø – Norges arktiske universitet. (5 April 2018). (2 pages)
12. **Hartvigsen, G., Dahl, T.I.**, Possible topic of mentor talks for future full professors at UiT (“Mulige tema for mentorsamtaler for toppstillingskompetanse ved UiT”) Internt notat, Universitetet i Tromsø – Norges arktiske universitet. (19. desember 2019). (3 sider)
13. **Hartvigsen, G., Dahl, T.I.**, Possible topics for mentoring conversations for professor and docent positions at UiT. Internt notat, Universitetet i Tromsø – Norges arktiske universitet. (1. november 2021). (4 sider)

ACCEPTED (BUT NOT YET PUBLISHED)

## CONDITIONALLY ACCEPTED

1. Johannessen, E., Johansson, J., **Hartvigsen, G.**, Grimsgaard, S., Deraas, T.S., Årsand, E., Horsch, A., Henriksen, A. Measuring adherence to planned training using wearables in an intervention context. Conditionally accepted by *JMIR Formative Research*.

## SUBMITTED

1. Müller, M., Hansen, T.A., Johansen, D., Jakobsen, Ø., Pedersen, J.E., Asketøy, I.L.Aa., Rasmussen, T.B., **Hartvigsen, G.**, Skogen, V., Henriksen, A., Thrane, G. Feasibility and safety of early interval training in patients recovering from heart valve surgery due to infective endocarditis. Submitted to *European Journal of Heart Quality of Care and Clinical Outcomes*.
2. Hagen, M.H., Jaccheri, L., **Hartvigsen, G.** Digital Psychosocial Follow-Up for Survivors of Childhood Critical Illness: A Systematic Literature Review. Submitted to *JMIR Formative Research*.

## WORK IN PROGRESS

1. **Hartvigsen, G.** et al. How computer science is transforming medicine: 10 rules for improved use of ICT in health care. (Draft of paper.)
2. **Hartvigsen, G.** En digital helse(r)evolusjon ("A digital health (r)evolution"). (Draft of report.)
3. **Hartvigsen, G.** Hvordan bli professor (før du fyller femti)? ("How to become a full professor (before you turn 50)?") (Draft of paper.)
4. **Hartvigsen, G.** Søknad på stilling som professor eller dosent ved norske universiteter og høyskoler. ("Application for a position as professor or docent at Norwegian universities and university colleges") (Draft of paper.)
5. Randine, P., Larbi, D., Rishaug, T., Muzny, M., Henriksen, A., **Hartvigsen, G.**, Årsand, E., Why Independent mHealth Development is Becoming Unsustainable? (Draft of paper.)

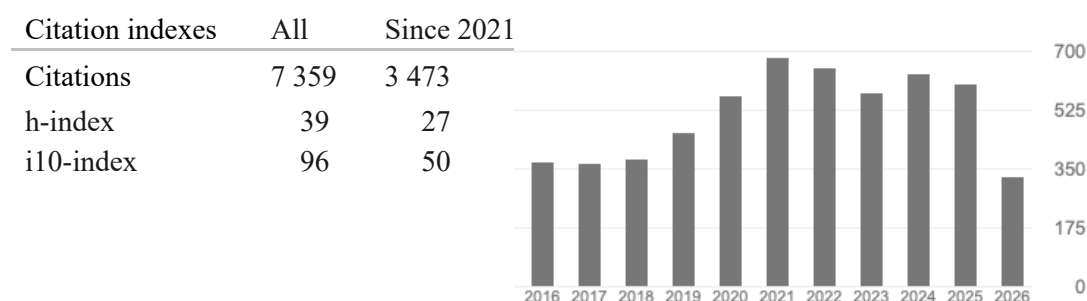
## BOOK PROJECTS (WORK IN PROGRESS)

1. **Hartvigsen, G.**, et al. Lessons learned from 20 years with telemedicine at UC Davis, California. (Very early book draft, ca. 100 pages)
2. **Hartvigsen, G.** The researcher's handbook. 2<sup>nd</sup> edition. (Very early draft)

## 29. CITATIONS

From Google Scholar (03.09.2026):

Citations per year (2016-)



More publications by Professor Gunnar Hartvigsen can be found at:

<https://nva.sikt.no/filter?query=gunnar+hartvigsen>

<https://nva.sikt.no/filter?query=gunnar+hartvigsen&order=publicationDate&sort=desc> (Chronological order)