

# Curriculum vitae

## \* ROLE IN THE PROJECT

Project manager  Work package leader   
 Project partner  Other (specify)

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## \* PERSONAL INFORMATION

*Family name, First name:	STRISLAND, Frode		
*Date of birth:	20.10.1969	*Sex:	Male
*Nationality:	Norwegian		

## \* HIGHER EDUCATION/OTHER TRAINING

	Subjects/degree/	Name of institution, country
2003	Project management	The Norwegian School of Management (BI), Oslo: Project management and leadership education, ½ year.
1998	Dr. Ing.	Dr. Ing, Norwegian University of Science and Technology, Trondheim, Physics Department, in experimental physics.
1994	Civil Engineer in Physics,	Norwegian Institute of Technology (NTH), Trondheim, Physics Department

## \* POSITIONS (academic, business, industry, public sector, national or international organisations)

### Current Position

	Job title/name of employer/country
2014	University of Oslo, Physics Institute: Associate Professor II (20% position)
1998-	Senior Scientist at SINTEF Digital, The Smart Sensor Systems department, the Applied Health Technology group

### Previous positions held (list)

	Job title/name of employer/country
1994-1998	Doctoral studies financed by an NTNU Dept. of Physics scholarship (75% position). Scientific assistance and teaching in lab courses, NTNU Dept. of Physics. (25% position)

## PROJECT MANAGEMENT EXPERIENCE WITH RESEARCH & INNOVATION ACTIVITIES, AND WITH EXTENSIVE NATIONAL/INTERNATIONAL COLLABORATION/NETWORKING

	Project/topic/role in project/funding from
2019-	SINTEF Group level Coordinator/Project Manager on health related research activities
2018-2020	Understand how I am. Technology to support communication for persons lacking communication abilities (Innovation project Norwegian Research Council, the HELSEVEL Program. SINTEF Principal Investigator
2013-2016	EmerEEG (EU FP7 Research for the benefit of SME's program): <i>A portable device for early detection and treatment of traumatic brain injury based on advanced qEEG and HDTES to prevent major health problems and specially for use in emergencies and telemedicine.</i> Project Technical Manager. In charge of Work packages for i) system requirements and design, ii) instrumentation development, and iii) system integration and testing.
2011-2015	d-LIVER (EU ICT FP7 IP): <i>ICT-enabled, cellular artificial liver system incorporating personalized patient management and support.</i> SINTEF Principal Investigator, Work Package Leader for WP 2: System design and medical device regulatory requirements
2011-2015	CORBYS (EU ICT FP7 IP): <i>Cognitive Control Framework for Robotic Systems.</i> SINTEF Principal Investigator during first year of the project of the project
2008-2012	ESUMS (US congressionally funded project, directed by USARMCM/TATRC, with US partner ViTel Net): <i>Enhanced Sustained Use Monitoring System</i> (Wireless physiological monitoring). Project co-principal investigator and SINTEF Principal Investigator.
2007-2010	SmArHHEALTH (EU FP6 IP): <i>Smart Integrated Biodiagnostic Systems for Healthcare.</i> SINTEF principal investigator.
2004-2007	SUMS (US congressionally funded project, directed by USARMCM/TATRC, with US partner ViTel Net): <i>Sustained Use Monitoring System</i> (Wireless physiological monitoring). SINTEF principal investigator.

### OTHER MERITS RELEVANT TO THE PROJECT:

Publications

#### Overall statistics

35 papers

375 citations

h-index 12

### RELEVANT PUBLICATIONS:

1. Berntsen, Gro Karine Rosvold; Strisland, Frode; Malm-Nicolaisen, Kristian; Smaradottir, Berglind; Fensli, Rune Werner & Røhne, Mette (2019). The Evidence Base for an Ideal Care Pathway for Frail Multimorbid Elderly: Combined Scoping and Systematic Intervention Review. *Journal of Medical Internet Research*. ISSN 1438-8871. 21(4) . doi: 10.2196/12517

2. Halvorsrud, Ragnhild; Røhne, Mette; Celius, Elisabeth Gulowsen; Moen, Stine Marit & Strisland, Frode (2019). Application of Patient Journey Methodology to Explore Needs for Digital Support A Multiple Sclerosis Case Study, In Conceição Granja & Terje Solvoll (ed.), Proceedings of the 17th Scandinavian Conference on Health Informatics 2019. Linköping University Electronic Press. ISBN 978-91-7929-957-6. kapittel. s 148 – 153
3. Seeberg, Trine Margrethe; Orr, James; Austad, Hanne Opsahl; Røed, Morten Hamremoen; Dalgard, Steffen Harald; Houghton, David; Jones, David A. & Strisland, Frode (2017). A Novel Method for Continuous, Noninvasive, Cuff-Less Measurement of Blood Pressure: Evaluation in Patients With Nonalcoholic Fatty Liver Disease. IEEE Transactions on Biomedical Engineering. ISSN 0018-9294. 64(7), s 1469- 1478 . doi: 10.1109/TBME.2016.2606538
4. Strisland, Frode; Svagård, Ingrid Storruste; Austad, Hanne Opsahl & Reitan, Jarl (2017). Meeting end user needs in collaborative medical device technology development research projects: A qualitative case study. Studies in Health Technology and Informatics. ISSN 0926-9630. 237, s 49-54 . doi: 10.3233/978-1-61499-761-0-49 F
5. Strisland, Frode; Vedum, Jon; Liverud, Anders Erik; Dalgard, Steffen Harald; Brødreskift, Tomas; Albert, Bruno; Noyvirt, Alexandre; Setchi, Rossitza; Vene, Karl; Herranen, Henrik; Kirs, Maarjus; Antal, Andrea; Schellhorn, Klaus & Sjaheim, Haldor (2017). Portable qEEG and HD-tCS device for point-of-injury traumatic brain injury diagnostics. Studies in Health Technology and Informatics. ISSN 0926-9630. 237, s 198- 203 . doi: 10.3233/978-1-61499-761-0-198
6. Albert, Bruno; Noyvirt, Alexandre; Setchi, Rossitza; Sjaheim, Haldor; Velikova, Svetla & Strisland, Frode (2016). Portable Decision Support for Diagnosis of Traumatic Brain Injury. Procedia Computer Science. ISSN 1877-0509. 96, s 692- 702 . doi: 10.1016/j.procs.2016.08.252Vis sammendrag
7. Albert, Bruno; Zhang, Jingjing; Noyvirt, Alexandre; Setchi, Rossitza; Sjaheim, Haldor; Velikova, Svetla & Strisland, Frode (2016). Automatic EEG Processing for the Early Diagnosis of Traumatic Brain Injury. Procedia Computer Science. ISSN 1877-0509. 96, s 703- 712 . doi: 10.1016/j.procs.2016.08.253
8. Austad, Hanne Opsahl; Vedum, Jon; Hamremoen Røed, Morten; Dalgard, Steffen Harald; Brødreskift, Tomas; Liverud, Anders Erik; Strisland, Frode & Seeberg, Trine Margrethe (2016). An Unobtrusive Wearable Device for Ambulatory Monitoring of Pulse Transit Time to Estimate Central Blood Pressure, In James Gilbert (ed.), BIOSTEC 2016: 9th International Joint Conference on Biomedical Engineering Systems and Technologies, February 21-23, 2016, in Rome, Italy. SciTePress. ISBN 978-989-758-170-0. Kapittel. s 179 - 186
9. Seeberg, Trine Margrethe; Vedum, Jon; Sandsund, Mariann; Austad, Hanne Opsahl; Liverud, Anders Erik; Vardøy, Astrid-Sofie Borge; Svagård, Ingrid Storruste & Strisland, Frode (2014). Development of a wearable multisensor device enabling continuous monitoring of vital signs and activity, In Biomedical and Health Informatics. IEEE-EMBS International Conference. 2014. (BHI 2014), Valencia, Spain, 1-4 June 2014. IEEE Press. ISBN 9781479921324. Health Information Systems II. s 213 - 218
10. Sjaheim, Haldor; Albert, Bruno; Setchi, Rossi; Noyvirt, Alexandre & Strisland, Frode (2014). A portable medical system for the early diagnosis and treatment of Traumatic Brain Injury, In 2014 IEEE International Conference on Systems, Man, and Cybernetics (SMC), October 5-8, 2014, San Diego, CA, USA. IEEE. ISBN 978-1-4799-3840-7. artikkel. s 2529 - 2534
11. Svagård, Ingrid Storruste; Austad, Hanne Opsahl; Seeberg, Trine Margrethe; Vedum, Jon; Liverud, Anders Erik; Mathisen, Bjørn Magnus; Bendixen, Ole Christian; Keller, Barbara; Osborne, Phyllis & Strisland, Frode (2014). A Usability Study of a Mobile Monitoring System for Congestive Heart Failure Patients, In Christian Lovis; Brigitte Séroussi; Arie Hasman; Louise Pape-Haugaard; Osman Saka & Stig Kjær Andersen (ed.), e-Health – For Continuity of Care. IOS Press. ISBN 978-1-61499-431-2. artikkel. s 528 - 532V
12. Strisland, Frode; Svagård, Ingrid Storruste; Seeberg, Trine Margrethe; Mathisen, Bjørn Magnus; Vedum, Jon; Austad, Hanne Opsahl; Liverud, Anders Erik; Kofod-Petersen, Anders & Bendixen, Ole Christian (2013). ESUMS: A mobile system for continuous home monitoring of rehabilitation

patients. IEEE Engineering in Medicine and Biology Society. Conference Proceedings. ISSN 1557-170X. 35th, s 4670- 4673 . doi: 10.1109/EMBC.2013.6610589V

#### OTHER ROLES:

	Description
2013-2016	International Advisory Board member, <i>The Multicorder Project: CMOS Sensor Technology For The Metabolome</i> , School of Engineering, University of Glasgow, UK
2015-	Member of NS/K 113 standards committee on Quality Systems For Medical Devices in Norway

#### AWARDS

	Description
2009	Færevik H, Holbø K, Reitan J, Røyset A, Strisland F, and Reinertsen R: <i>SINTEFs Annual Award for Outstanding Research 2008 for work on the Helly Hansen helicopter transport and rescue suit SeaAir.</i>  SmartHEALTH (EU FP6 IP): <i>Smart Integrated Biodiagnostic Systems for Healthcare.</i> SINTEF principal investigator.
2010	Seeberg T, Austad H O, Strisland F, and Svagård I: pHHealth Innovation Award 2010 for the poster: <i>Development of a new sensor fusion algorithm to improve decision support for subjects exposed to heat stress.</i> 7th International Conference on Wearable Micro and Nano Technologies for Personalized Health, Berlin, May 2010