

CURRICULUM VITAE – Thomas Lango

Date of birth: November 13, 1970
 Work address: SINTEF, Dept. Medical Technology, 7465 Trondheim
 Present position: Research Director (PhD)
 Status: Married, 2 children (7 and 4 years old)



Employment record

- 2013-dd: Research Director, Dept. Medical Technology, SINTEF
- 2012-2013: Senior Business Developer at Dept. Medical Technology, SINTEF Technology and Society, Trondheim, with focus on internationalization and EU projects
- 2005-2012: Senior Research Scientist at Dept. Medical Technology, SINTEF Technology and Society, Trondheim
- 2001-dd: Project Manager at Dept. Medical Technology, SINTEF Technology and Society, Trondheim
- 2008-dd: Supervisor and co-supervisor for PhD students: Sinara Vijayan, Pall Jens Reynisson, Håkon O. Leira (finished 2012), Anna Rethy, Hanne Sorger, Rahul Kumar (finished in 2014).
- 2001-dd: Lecturer and sensor at Faculty of Information Technology NTNU (Norwegian University of Science and Technology), Mathematics and Electrical Engineering, Dept. of Computer and Information Sciences, Dept. of Mathematical Sciences, and Biophysics and Medical Technology.
- 2001-2003: Research fellow (PostDoc) at Dept. Medical Technology, SINTEF Technology & Society, Trondheim, Norway. Topic: Accuracy of ultrasound based surgical navigation, focus on neurosurgery
- 1996-2000: PhD student and research scientist at SINTEF (see Education below).
- 1995-1996: Military services conducted at Department of Physiology and Biomedical Technology, NTNU. Studying, simulating and improving methodology for therapy of decompression sickness and treatment methods.
- 1994: Summer employment at Department of Extreme Working Environments, SINTEF Unimed, Trondheim, Norway; Mathematical modeling and simulation of decompression sickness and treatment
- 1992-1994: Student assistant in Mathematics at Department of Mathematical Sciences, Faculty of Physics, Informatics and Mathematics, NTNU.

Education

- 1996-2000: PhD studies at Department of Engineering Cybernetics, Faculty of Electrical Engineering and Telecommunications, Norwegian University of Science and Technology (NTNU), Trondheim, Norway. The project work was performed at the Department of Ultrasound (now Medical Technology), SINTEF Unimed (now Technology and Society), Trondheim, Norway. Thesis title: *Ultrasound guided neurosurgery: Image processing and navigation*. The work was part of the project and team that developed the technology basis for the spin-off company SonoWand®, Trondheim.
- 1990-1995: MSc studies at Department of Biophysics and Medical Technology, Faculty of Physics, NTNU.

Dissemination in brief

- Scientific papers in peer reviewed journals: 48
- PostDoc fellowship theme: Accuracy evaluation and improvements in ultrasound-based neuronavigation. Scientific papers, NTNU / SINTEF, Trondheim, Norway, 2001-2003.
- PhD Thesis: Ultrasound guided surgery: Image processing and navigation. Norwegian University of Science and Technology (NTNU), Trondheim, Norway, 2000.
- Oral presentations at international conferences and seminars: about 120
- Awards: 5; 2 Norwegian, 3 International/European

Other relevant scientific work

- 2012-dd: Reviewer for funding call for Dutch Cancer Society, The Netherlands, and Ontario Research Fund - Research Excellence program, Canada
- 2001-dd: Reviewer for scientific journals; e.g. Journal of Ultrasound in Medicine & Biology, IEEE Transactions on Medical Imaging, MITAT (Minimal Invasive Therapy and Allied Technologies), Medical Image Analysis, LNCS, Surgical Endoscopy, MICCAI, Surgical Innovation
- Approximate number of reviews for international journals performed to date: 70
- Member of: International Board Member of ISCAS, International Society for Computer Aided Surgery; Steering Committee iSMIT, International Society for Medical Innovation and Technology; Technology Committee of the EAES, European Association for Endoscopic Surgery
- Supervisor and co-supervisor for several master students (approx. 20) and PhD students (currently 5), mainly affiliated with NTNU, but several MSc students from other universities, incl. Pisa, Stockholm, Brussels, Roma, Amsterdam