



## SHORT CURRICULUM VITAE

(Latest update: Marts 2017)

Name: Thomas Sinkjær (TS)  
Date of birth: 9<sup>th</sup> March 1958  
Address: Nørgårdsvej 3A, DK-9260 Gistrup, Denmark  
Contact info: [tsi@veluxfoundations.dk](mailto:tsi@veluxfoundations.dk) Phone +45 40289106  
Marital Status: Married to Marianne Wilgaard  
Two children. Sara (born 1991) and Anders (born 1994)

TS holds M.Sc.E.E. and Ph.D. degrees from Aalborg University and a Dr. Med. Sci. degree from University of Copenhagen, Denmark.

### RESEARCH

TS's research interests are in the basic and clinical aspects of human sensory-motor interaction and the development of new neuro-diagnostic and therapeutic technologies. He has contributed to over 200 articles in international peer-reviewed scientific journals and over 400 conference papers. He has written two science books. For a full list of publications including citations see WoS or Google Scholar : [https://scholar.google.nl/citations?hl=en&user=OnNkuWcAAAAJ&pagesize=100&view\\_op=list\\_works](https://scholar.google.nl/citations?hl=en&user=OnNkuWcAAAAJ&pagesize=100&view_op=list_works)

TS has received a number of international awards for his research, including the prestigious Villum Kann Rasmussen Annual Award in Science and Technology (the highest personal research award in Denmark), and the International Steven Hoogendijk Award in Medical Engineering, among others.

TS has a great interest and experiences in promoting curiosity-driven research, in developing instruments to increase excellence in research and academic leadership, and to increase the societal impact of research.

He is involved in evaluating international and national research funding schemes, research institutions, and research management performance and in developing research and innovation policy recommendations. TS holds positions of trust in both Danish and foreign research organizations, including the Norwegian, the Flemish Research Councils, NSF and the European Research Council. He serves on the boards of several knowledge companies and pricing committees and is the co-founder of four technology companies.

TS is a member of several professional organizations, including the Danish Academy of Technical Sciences. Knighthood (Ridder af Dannebrog), Denmark.

### EXECUTIVE (selected)

Director of Science, VILLUM Fonden, 2015-  
Director, Danish National Research Foundation, 2007-2015  
Director, Center of Excellence for Sensory-Motor Interaction (SMI), Aalborg University, 1993-2006  
Professor, Dept. of Health Science and Technology, Aalborg University, 1993-  
Chair of Siemens Foundation, 2017-  
Board member of The Danish Council for Research and Innovation Policy, 2017-  
Board member Bevica Foundation and Bevica Innovation A/S, 2005-  
Board member Borean Innovation, 2014-  
Chair of Advanced Grant Panel, European Research Council (ERC) 2013-2015  
Vice-chair of Board, Sundheds CVU Nordjylland (University College in Health), 2002-07  
President and co-founder of the International Functional Electrical Stimulation Society (2002-05)  
Head of Program Committee for Young Scientists, Danish Strategic Research Council  
Head of Academy Council, Danish Academy of Technical Sciences (ATV), 2001-2003  
Head of Department of Medical Informatics and Image Analysis, Aalborg University, 1992-1993

### FINANCE AND INVESTMENTS

TS played a key role in securing 3 billion DKK for the Danish National Research Foundation in 2008 and another 3 billion DKK in 2014 from the Danish Government. As CEO he was responsible for the investment of the foundation's assets of 6.5 billion DDK.

# EXTENDED CURRICULUM VITAE

(Latest update: November 2015)

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Marital Status: Married to Marianne Wilgaard  
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## PROFESSIONAL BACKGROUND

1983: M.Sc.E.E., Aalborg University  
1988: Ph.D., joint venture between Dept. of Health Science and Technology, Aalborg University and Department of Neuroscience, University of Calgary, Canada  
1998: Dr. Med. Sci., University of Copenhagen

## POSITIONS HELD

2015- Director of Science, Villum Fonden  
2007-15 Director, Danish National Research Foundation  
1993-06 Director, Center for Sensory-Motor Interaction (SMI), Aalborg University (Danish National Research Foundation Center of Excellence)  
1997-: Professor, Dept. of Health Science and Technology, Aalborg University  
1993-97: Research Council Professor  
1992-93: Head of Department of Medical Informatics and Image Analysis  
1990-92: Senior Scholarship, Aalborg University  
1989-93: Associate Professor with extraordinary research potential, Aalborg University  
1988-89: Assoc. Professor, Dept. of Medical Informatics and Image Analysis, Aalborg University  
1986-88: Assist. Professor, Dept. of Medical Informatics and Image Analysis, Aalborg University  
1985-88: Ph.D. study at Aalborg University as "joint venture" with the Department of Clinical Neurosciences, University of Calgary, Alberta, Canada  
1983-85: Assistant Professor, Dept. of Medical Informatics and Image Analysis, Aalborg University

## EXTENDED RESEARCH VISITS (+3 months)

2005: Honorary Guest Professor, Dept. of Sport and Exercise Sciences and Dept. of Bioengineering, University of Auckland, New Zealand (January-March)  
1999: Guest Professor, Dept. of Kinesiology, Simon Fraser University, Vancouver, Canada (April-July)  
1989-90: Visiting Research Fellow, Northwestern University, Chicago, U.S.A (August-January)  
1985-86: Visiting Ph.D. student, Dept. of Clinical Neurosciences, University of Calgary, Canada

## PUBLICATIONS

From 1983-15, published 200+ refereed papers (WoS: 184 listed publications, H=41. Google Scholar : 600+ listed publications, H=54), and the books: "Control of Movement of the Physically Disabled" (Popovic and Sinkjær, 481 pp., Springer, 2000, Second Edition 2003) and "Control of movements in humans: systems and mechanisms" (Popovic and Sinkjær, 189 pp., Academic Mind 2015) . Also holds/has applied for seven patents.

## LECTURES

From 1983-15, submitted 400+ abstracts for international meetings and conferences, and given more than 150 invited lectures at research institutions and organizations in Denmark and abroad on research, teaching and research management.

## PRE- AND POST-GRADUATE ORGANIZATIONS

1997 Co-founder of the 3-year Doctoral School in Biomedical Sciences and Engineering. Presently 49 Ph.D. students enrolled. [www.smi.hst.aau.dk/docschool/](http://www.smi.hst.aau.dk/docschool/)  
2000 Co-initiated the first Danish 5-year M.Sc. (cand. polyt.) in Biomedical Engineering (Sundhedsteknologi), Aalborg University.

- 2002 Co-initiator of Department of Health Science and Technology, Aalborg University, of which SMI is a part. [www.hst.aau.dk](http://www.hst.aau.dk)
- 2006 Co-initiator of Master of Science in Medicine with Industrial Specialization (cand. scient.med.), Aalborg University.
- 2006 Head of elite program in Master of Biomedical Engineering, Aalborg University.

## AWARDS AND HONORS

- 1992: The Queen of Denmark's Silver Wedding Coin (DKK 750,000)
- 1993: The Danish Foundation for Physical Disability Anniversary Award (DKK 750,000)
- 1996: **Villum Kann Rasmussen Foundation for outstanding international research (DKK 1.2M)**
- 1996: Selected European personality in Aalborg (DKK 10,000)
- 1997: Appointed as "Ambassador of Aalborg City"
- 1998: **Dannins Award for scientific research (DKK 300,000)**
- 1999: Award for outstanding research, National Association of Polio and Accident Victims (PTU)
- 2001: Astra-Tech Award
- 2002: Medico-Award, Danish Medical Device Industry for outstanding research within biomedical engineering
- 2002: IDA-Award (Association of Engineers), Denmark
- 2004: **The International Steven Hoogendijk Award in Medical Engineering (DKK 100,000), NL**
- 2004: The Research Award of the Disability Foundation (DKK 50,000)
- 2010: Mathilde and Jeppe Juhl's Memorial Scholarship
  
- 1993-2005: 8 "best paper" awards
- 2015: Knighthood (Ridder af Dannebrog), Denmark.

## BOARDS (selected)

### Science and innovation:

- 2017- Appointed by the Danish Minister for Higher Education and Science as member of The Danish Council for Research and Innovation Policy
- 2017- Chair of Siemens Foundation
- 2014- Chair of Advanced Grant Panel, European Research Council (ERC)
- 2014- Member of the board, Borean Innovation A/S
- 2010-15 Member of FWO Fonds Wetenschappelijk Onderzoek, Health Sciences, Belgium
- 2008-2013 Member and co-chair of Advanced Grant Panel, European Research Council (ERC)
- 2005-06 Member of the Danish National Advanced Technology Foundation (Højteknologifonden). Appointed by the Danish Minister for Science, Technology and Innovation
- 2005 Head of Program Committee for Young Scientists, Danish Strategic Research Council
- 2005- Member of the Board, SAHVA Foundation (from 2009 BEVICA Foundation)
- 2002-2008 Member of the Board, NOVI Science Park A/S
- 2001-2002 Member of the Danish Minister of Science's "think tank" for technological progress
- 1999-2001 Head of Academic Council, Danish Academy of Technical Sciences
- 1999-2001 Member of the Board, Danish Academy of Technical Sciences
- 1997-2003 Member of Forskningsforum (Board of the Danish Research Councils). Appointed by the Danish Minister of Research
- 1993 Member of the scientific advisory board for the International Neurobionics Institute, Hannover, Germany
- 1991-2000 Member of the Board, Danish Society for Biomedical Engineering

### Industry:

- 2012- Member of the Board and co-founder of the biomedical technology company Movotec ApS
- 2009- Member of the Board BEVICA INNOVATION A/S
- 2006- Member of the Board, DELTA
- 2006-2013 Member of the Board, Medotech A/S
- 2001-2004 Member of the Advisory Board, BioControl Inc., Canada
- 1995-2005 Member of the Board, Neurodan A/S
- Co-founder of Neurodan A/S (1995), NeuroCon ApS (1998), NeuroReTrain ApS (2000) and Movotec ApS (2012)

### Education:

- 2002-07 Vice-chairperson of Board, Sundheds CVU Nordjylland (University College in Health)
- 1992-93 Member of the Electrical Engineering education advisory board for the Danish Minister of Education

## SCIENCE OFFICES

Selected Editorial (last 5 years):

- Associate Editor, IEEE Transaction on Neural Systems and Rehabilitation Engineering
- Associate Editor, Journal on Neural Engineering
- Referee for Journal of Physiology
- Referee for Journal of Motor Behavior
- Referee for Experimental Brain Research
- Referee for Biocybernetics
- Referee for Journal of Electrophysiological Kinesiology
- Referee for Journal of Neurophysiology
- Referee for Journal of Neuroscience Methods
- Referee for Muscle and Nerve
- Referee for Journal of Applied Neurophysiology
  
- Peer and on-site reviewer for Research Councils in Australia, Belgium, Canada, Ireland, Italy, Netherlands, Norway, Switzerland, Singapore, UK, USA
- Peer reviewer and adviser for EU (DG XII and DGXIII)
- Peer reviewer for private foundations, such as Wellcome Trust and the Multiple Sclerosis Society England
- Member of International Committee to evaluate UNIVAP, University, Brazil, 2000
- Head of Evaluation Committee of COM, DTU, appointed by the Danish Technical Research Council, 2001
- President and co-founder of the International Functional Electrical Stimulation Society (2002-05)
- Head of Evaluation Committee of Dept. of Computer Sciences, Aalborg University, 2006
- Member of professor evaluation committees at universities in Denmark, Finland, Sweden, Norway, UK, US, Canada, Ireland, the Netherlands

## BOARDS/COMMISSIONS (selected)

- Dutch Research Evaluation Committee on Biomechanical Engineering, 2013-
- Norwegian Research Council, Center of Excellences Panel, 2012, 2015-
- National Science Foundation (USA), Center of Excellences Panel, 2011
- Member of University Education Committee, Danish Academy of Technical Science 2012-
- Member of Task Force HELIOS, Danish Academy of Technical Science, 2008-2012
- Technology Forecast – Bio and Health Technology, Danish Ministry of Science, 2002-03
- Member of Board of Directors of IDA for Technology award, 2003-06
- Head of Academy Council (Akademirådet), Danish Academy of Technical Sciences (ATV), 2001-2003
- Member of Aalborg University's advisory board for research, 1993-2000
- Member of the committee on Medical Technology and Health, Minister of Industry. Appointed by the Danish Conference of Rectors, 1995-96
- Member of the committee under the Research Council concerning elucidation of neuro-research in Denmark, 1993-95
- Advisor in various EU research task forces within biomedical sciences and technology 1993-
- Member of the Danish National Handicap Advisory Board, Ministry of Social Affairs, 1994-98
- Medico/Health - an industry analysis, the Danish Occupational Ministry (Erhvervsministeriet), 1999-00
- Member of the Program Committee for Health and Science, the Open University, Aalborg, 1990-2004
- Advisory Board of SWIM, University of Southampton, 2006

## ORGANIZATION AND PLANNING

Involved in the organization of 30+ international conferences, workshops and Ph.D. courses within neuroscience and biomedical engineering, including:

- Organizer and chairperson for the international conference EURO-BRAIN, Aalborg, 1997
- Organizer and chairperson of the IFESS2000 and NP2000 Conferences at Aalborg University, Denmark, 2000

## PROFESSIONAL MEMBERSHIPS

- Society for Neuroscience
- International Federation for Medical and Biological Engineering
- International Brain Research Organization
- International Society for FES (IFESS)
- IEEE, senior member
- International Society of Postural and Gait Research
- Danish Society for Biomedical Engineering
- Danish Academy of Technical Sciences (ATV)

2006: Research management course, Copenhagen Business School

## MAJOR GRANTS

From 1992-2006, received major grants (>DKK 1M) as partner or principal investigator from Danish and international foundations for grant totaling DKK 274M:

- 1992-1995: AIM, EU, CAMARC-II (partner, DKK 1.2M)
- 1993-1996: Human Capital and Mobility EU program (Partner, DKK 1.5M)
- 1993-1996: Danish Research Council ("Indopereret nerve-manchet-elektrode til styring af lammede muskler," Principal investigator, DKK 1.3M)
- 1993-1998: Research Council Professorship (DKK 5.0M)
- 1993-1998: Technical and Medical Research Council (Principal investigator, DKK 4.5M)
- 1993-1998: Danish National Research Foundation Center for Sensory-Motor Interaction (Director, DKK 25M)
- 1996-1999: BIOMED II, EU SENSATIONS (Principal investigator, DKK 6M)
- 1996-1999: TMR, EU, NEUROS (Partner, DKK 3M)
- 1996-1999: Technical and Medical Research Council (Principal investigator, "Nervesystemets styring af gang," DKK 1M)
- 1996-1999: Technical and Medical Research Council ("Nerve signals from the bladder," DKK 1.5M)
- 1997-2001: Danish National Research Foundation Doctoral School in Biomedical Science and Engineering (DKK 40M)
- 1998-2001: Danish National Research Foundation Center for Sensory-Motor Interaction (Director, DKK 18M)
- 1998-2001: Danish Medical Research Council, Center for Biomedical Engineering (Principal investigator, DKK 20M)
- 1999: Velux Foundation and Aalborg University (Principal investigator, DKK 1 + 1M)
- 2000-2003: TMR, EU, "NeuralPRO" (Partner, DKK 2.5M)
- 2001-2006: Danish National Research Foundation. Continuation of Center for Sensory-Motor Interaction (Director, DKK 46M)
- 2001-2006: Aalborg University to Center for Sensory-Motor Interaction (DKK 18M)
- 2001: REBEC, EU (DKK 2M)
- 2002: "Cyberhand," EU (DKK 1M)
- 2004-2009: Center for NeuroEngineering (Principal investigator, DKK 14M, Danish Technical Research Council)
- 2005: Obel Family Foundation (Principal investigator, DKK 2.5M)
- 2005: Spar Nord Fond (Principal investigator, DKK 2.5M)
- 2006-2010: NOVO Ejendomsfond (Principal investigator, DKK 7.5M)
- 2006: North Jutland County (Principal investigator, DKK 5M)
- 2006: Aalborg City (Principal investigator, DKK 3M)
- 2006-2010: Danish Advanced Technology Foundation (Partner, DKK 30M)
- 2006-2010: Center for Sundhedsteknologi (Principal investigator, DKK 10M the Danish Minister of Science)