

# Curriculum vitae

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## Education and degrees

2008: Docent in Electrical Engineering, Royal Institute of Technology (KTH), Stockholm.  
2002: Ph.D. in Electric Power Systems, KTH.  
1999: Licentiate in Electric Power Systems, KTH.  
1997: M.Sc. in Vehicle Engineering (specialized in Systems Engineering, applied mathematics), KTH.

## Current and previous positions

2024 - Deputy Head of the School of Electrical Engineering and Computer Science (EECS) with a focus on the conditions and impact of research.  
2013- Full Professor in Power Grid Technology at KTH.  
2023: Visiting Scholar with Nanyang Technological University (NTU) and the SP Group.  
2014: Visiting Professor at Stanford University Department of Civil and Environmental Engineering.  
2009 –2013: Full Professor in Sustainable Electric Power Systems at Chalmers.  
2007-2009: Director of Research Swedish National Grid.  
2002-2009: Associate Professor, KTH, EECS, Research group Reliability-Centred Asset Management (RCAM).  
2002–2003: Post-doctoral visitor, University of Toronto, Dep. of Electrical Engineering, Canada.  
1997-2002: Ph.D. student KTH, EECS.  
Feb 2000-June 2000: Research visitor at University of Saskatchewan, Saskatoon, Canada.

## Current boards and appointments

- [Board of the Center for High Performance Computing](#)
- Scientific board of [NTA](#) School development
- [Vice chair of the Board of Parliament and researchers](#)
- Program Committee [Swedish Electro mobility Center](#).
- National Committee of CIRED.
- Chairman of the SEK Svensk Elstandard.
- Horizon Europe independent expert evaluator.

## Previous selected appointments

2018-2024: [Director of the Energy Platform at KTH](#).  
2017-2021: National Strategic Council for Wind Power.  
2009-2020: Member of the Advisory council of the Energy Markets Inspectorate (EI).  
2011-2019: Member of the Scientific Board of the Swedish Civil Contingencies Agency (MSB).  
2009-2019: Chair of the Swedish IEEE PE/PEL Chapter.  
2014-2017: Steering group [IVA Energy Cross Roads](#).  
2013: EU Expert Evaluator. Smart Energy & Security.  
2013-2017: Member of the Board of the [Power Circle](#).  
2010-2015: Editor of IEEE Transactions of Smart Grid.  
2014 -2016: Secretary of [IEEE Power & Energy Society Governing Board](#) (PES GB).  
2012-2014: Member of the [Swedish Government Coordination Council for smart grid](#).

2012-2014: Treasurer of the IEEE PES GB.  
2011-2013: [Chair of the IEEE Reliability Risk and Probability Applications \(RRPA\) Subcommittee](#).  
2011-2013 Member of the Research Evaluation Committee of the Swedish Energy Authority.  
2010-2013: Board member of the Swedish Wind Power Technology Center (SWPTC).  
2009-2013: Program manager Chalmers Energy Initiative.  
2009-2012: Head of the Division of Electric Power Engineering and Member of the Board of EoM.  
2010-2011: EU FP7 project on Grid for vehicles (G4V)  
2007 -2010: Vice chair/Secretary of the IEEE RRPA.  
2010: Conference chair of the 1st [IEEE PES Innovative Smart Grid Technologies \(ISGT\) Europe](#), Gothenburg.  
2008 - 2009: Board of Elforsk and Board of STRI.  
2007 - 2009: Industry Research Group (IFG) of IVA.  
2006: [Conference chair of the 9<sup>th</sup> Probabilistic Methods Applied for Power Systems \(PMAPS\)](#).  
2007-2008 Faculty board of KTH.  
2001-2008 Program Manager within the Centre of Excellence on Electric Engineering, EKC at KTH.  
2001-2002 University board of KTH.  
2000-2001 Head of the PhD student union at KTH.

## Distinctions, scholarships and awards

2022: Elected as Fellow of the [Royal Swedish Academy of Engineering \(IVA\) Division of Electrical Engineering](#)  
2022: [Bonnier PowerList in Energy by Dagens Industri](#).  
2022: [IVAs list of 100 national projects with potential to create societal impact with project "GreenGrids-Flex"](#).  
2021: [Power Women of the Year 2021, Kraftkvinnorna](#)  
2019: [IVAs list of 100 national projects important for the future industry "RCAM and predictive maintenance"](#).  
2016: Appointed as Distinguished Lecturer of IEEE PES.  
2013: Wenner-Gren Foundation, sabbatical scholarship for visit with Stanford University.  
2013: Barbro Osher Pro Suecia Foundation  
2011: Super Talent 2010 by Veckans Affärer.  
2008: Senior member of IEEE.  
2007: Torsten Lindströms Electrical power system award.  
2007: IVA Chinese Academy of Engineering scholarship.  
2003: E.ON. Research scholarship (award Ph.D. thesis).  
2002: Sweden-America Foundation, scholarship for Postdoctoral research studies in Canada.  
2000: Elforsk prize awarded for scientific work within the field of maintenance (for the LicEng).  
1999: IEEE PES Student poster award, Edmonton.

## Scientific production and teaching

Author of over [140 articles](#), [Google Scholar](#) (h-index 36), and one book: [Infrastructure Asset Management with Power System Examples, L. Bertling Tjernberg, CRC Press Taylor & Francis Group, Boca Raton, April 2018](#).  
Examined 6 PhD, 12 TechLic, approx. 60 MSc thesis.