

# 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

2013- Full Professor in Power Grid Technology at KTH School of Electrical Engineering and Computer Science  
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 at the Swedish National Grid (Svenska Kraftnät).  
2002-2009: Associate Professor, KTH, EECS, Division of Electrotechnical Design, 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, Division Electric Power System.  
Feb 2000-June 2000: Research visitor at University of Saskatchewan, Saskatoon, Canada.

## Current boards and appointments

- Director of the Energy Platform at KTH.
- Program Committee of the World Energy Council.
- Program committee of the Swedish Electro mobility Center (SEC).
- Vice chair of the Board of Parliament and researchers
- National Strategic Council for Wind Power.
- Nomination Committee of Polhelmspriset.
- National Committee of Ciréd.
- Chairman of SEK Svensk Elstandard.
- External reviewer for the EU commission.

## Previous appointments

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 committee IVA Energy Cross Roads.  
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 at Chalmers Energy Initiative (CEI).  
2010-2012: Chair of the Board for the Environmental award at Göteborg Energi/DinEl.  
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)  
2009 -2010: Vice chair of the IEEE RRPA.  
2007 -2009: Secretary of the IEEE RRPA.  
2010: Conference chair of the 1st IEEE PES Innovative Smart Grid Technologies (ISGT) Europe.  
2008 - 2009: Board of Elforsk.  
2008 - 2009: 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

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 Suecica Foundation  
2011: Super Talent 2010 by Veckans Affärer.  
2008: Senior member of IEEE.  
2007: Torsten Lindströms Electrical power system award at KTH.  
2003: E.ON. Research scholarship (for the Ph.D.)  
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 100 articles, [Google Scholar](#) (h-index 30), and one book: [Infrastructure Asset Management with Power System Examples, L. Bertling Tjernberg, CRC Press Taylor & Francis Group, Boca Raton, April 2018](#)  
Lecturing at KTH, IEEE, InnoEnergy and more.