

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.
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 at the Swedish National Grid (Svenska Kraftnät).
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

- [Director of the Energy Platform at KTH.](#)
- Horizon Europe expert evaluator.
- Vice chair of the Faculty Council at KTH EECS.
- National expert the ISGAN Academy of Smart Grid.
- [Vice chair of the Board of Parliament and researchers](#)
- [Nomination Committee of the Polhelm Prize.](#)
- National Committee of CIRED.
- Chairman of SEK Svensk Elstandard.

Previous selected appointments

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: Treasurer of the IEEE PES GB.
2012-2014: Member of the [Swedish Government Coordination Council for smart grid.](#)

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 9th 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 [100 articles](#), [Google Scholar](#) (h-index 34), 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. 50 MSc thesis.