

Lina Bertling Tjernberg –

Running for the office of IEEE PES President-Elect

[IEEE PES 2021 Elections - IEEE Power and Energy Society \(ieee-pes.org\)](https://www.ieee-pes.org)

Beginning on July 30, Elections will be held for the positions of IEEE Power & Energy Society (PES) President-Elect, Secretary, and Treasurer. The successful candidates will serve on the [PES Governing Board](#) for the term of 2022–2023. To learn more about the candidates before casting your ballot, read the biographies and candidate statements that follow.

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Dr. Lina Bertling Tjernberg is a Professor in Power Grid Technology at KTH the Royal Institute of Technology. She is the Director of the Energy platform and is the Coordinator of Life long learning at the School of Electrical Engineering and Computer Science. She was previously Professor at Chalmers University of Technology, 2009-2013, and with the National grid 2007-2009. She completed her Ph.D. in Electric Power Systems at KTH in 2002. Her research and teaching are focused on developments of the future sustainable electric power grid with special interest in reliability analysis, predictive maintenance and asset management. She is actively involved as advisor and expert in various professional organizations. Current appointments include: the Program Committee of the World Energy Council, the National Strategic Council for Wind Power, the ISGAN Academy of Smart Grid, the National Committee of CIRED, and she is part of the expert pool for the EU commission.

IEEE Activities and Accomplishments

DISTINCTIONS

- 2016: Appointed as Distinguished Lecturer of IEEE Power & Energy Society
 - Giving an IEEE Tutorial on Asset Management with power system applications.
 - Giving DLP lectures and key notes on topics: “Sustainable power system developments”, “predictive maintenance methods” and “power system reliability assessment”. Frequent keynote speaker at ISGT conferences, Women in Power events and Women in Engineering Affiliations.
- 2008: Senior member of IEEE.

COMMITTEES/BOARDS

- Secretary of the IEEE PES Governing Board 2014-2016.
- Treasurer of the IEEE PES Governing Board 2012-2014.
- Editorial board member of the IEEE Transactions of Smart Grid 2010 – 2015.
- Chair of the IEEE PES ISGT Europe steering committee 2010-2014.
- Officer in the board of the IEEE PES Subcommittee on Risk, Reliability and Probability Applications (RRPA) 2007-2013.

- Member of the committee for the IEEE PES Uno Lamm High Voltage Direct Current Award 2013- 2020.
- Member of the committee for the IEEE Power & Energy Society Ramakumar Family Renewable Energy Excellence Award 2014 – 2020.
- In past member of several technical committees and working groups within: Methods for Power Systems, Transmission & Distribution.
- Currently Member of the committees of: IEEE Smart Grid, IEEE PES Awards and Recognition Committee, IEEE PES Industry Technical Support Leadership Committee, IEEE PES ISGT Europe steering committee, and the Ad Hoc Committee for Patrick Ryan Award.

REGIONS:

- R8

SECTIONS/CHAPTERS:

- Chair of the IEEE Sweden Chapter 2009-2019.
- Officer in the board of the IEEE Sweden Section Board 2006-2008.

STUDENT BRANCHES:

- KTH Student Branch advisor.

SOCIETY:

- Member of PES.
- Member of Reliability Society.

CONFERENCES:

- Conference general chair and host of the first PES Innovative Smart Grid Technologies Conference (ISGT) in Europe, Gothenburg, 2010.
- Conference general chair and host the 9th Probabilistic Methods Applied for Power Systems (PMAPS), 2006, Stockholm.
- Member in advisory groups of IEEE conferences including: IEEE PowerTech, ISGT Europe, ISGT Asia, ISGT US and PMAPS.

Statement

Climate change, environmental degradation, and the recognition of the crucial role that access to energy plays in sustainable development and modern life has highlighted the importance of our work as power engineers, researchers, and academics. As the largest association for power engineers, we, the IEEE Power & Energy Society (PES), have the opportunity to guide and accelerate the adoption of renewable energy technologies, electrical transportation, and resilient grids. Society needs power engineers now more than ever, and I believe we will rise to the occasion.

The work of our technical committees and the resulting publications and standards are the core of our business. As PES President, I will ensure that this work permeates the entirety of PES, positioning PES to be the global leader in the sector. Our conferences will provide network opportunities and discuss the latest technology developments and research results. Our chapters and communities will launch new initiatives and foster a global, diverse, and inclusive membership. Lastly, PES will be the professional home for our members and contribute to their lifelong learning.