Complete Publication list
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Summary
This is a complete list of publications for the author Dr. Lina Bertling Tjernberg (Tjernberg from 2011) (https://orcid.org/0000-0003-4763-9429). The publications includes the following sections:

- A papers published in journals,
- B papers published in conferences (and of those in magazines),
- C Review articles, book chapters, course material etc,
- D Other scientific contributions,
- E Other publications and reports,
- F Demos, software, copyrights, popular science contributions etc.

The complete publication list (A-D) includes: 31 journal papers, 113 conference papers, 2 books, 9 book chapters and 3 theses (all at KTH). Most of these publications are available from IEEE Xplore Digital Library or the DIVA portal. Other publications (D and E) includes contributions to reports resulting from several working groups both national (e.g. IVA, SOU 2014:84) and international (e.g. IEA,IEEE, Cigré) and internal reports. The last section includes popular science articles.

An overview of academic publications are provided at ResearchGate or Google Scholar
Citation indices in Google Scholar updated on 2024-06-29 with direct link of:
https://scholar.google.com/citations?user=avw6_okAAAJ

	All	Since 2019
Citations	7875	3083
h-index	36	26
i10-index	96	47

List of abbreviations:

- CIRED - International Conference on Electricity Distribution.
- CIGRE- global community committed to the collaborative development and sharing of power system expertise.
- IEA - International Energy Agency.
- IEEE - Institute of Electrical and Electronics Engineers.
- ISGT – Innovative Smart Grid Technology Conference (part of IEEE)
- IVA – The Royal Academy of Science
- PES GM – Power & Energy Society General Meeting (part of IEEE)
- PMAPS - International Conference on Probabilistic Methods Applied to Power Systems.
- PSCC - Power Systems Computation Conference.
- SOU – statens offentliga utredningar (governments official investigations).

A Published in journals (or accepted to be published)

1. G. Lal Rajora, M. A. Sanz-Bobi, L. Bertling Tjernberg, J. Eduardo Urrea Cabus, A review of asset management using artificial intelligence-based machine learning models: Applications for the electric power and energy system, IET Generation, Transmission, and Distribution, June 2024. https://doi.org/10.1049/gtd2.13183

2. F. Chen a , J. Yan, Y. Liu , Y. Yan, L. Bertling Tjernberg, A novel meta-learning approach for few-shot short-term wind power forecasting, Applied Energy, Elsevier, Volume 362, 15 May 2024, 122838 https://doi.org/10.1016/j.apenergy.2024.122838
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4. Borenius, S.; Gopalakrishnan, P.; Bertling Tjernberg, L.; Kantola, R. Expert-Guided Security Risk Assessment of Evolving Power Grids. Energies 2022, 15, 3237.
5. Meysam, el alt. *A deep learning-based evolutionary model for short-term wind speed forecasting: A case study of the Lillgrund offshore wind farm*, Energy conversion and Management, Elsevier, 236 (2021), 114002.
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7. A. Heydari el alt., A Combined Fuzzy GMDH Neural Network and Grey Wolf Optimization Application for Wind Turbine Power Production Forecasting Considering SCADA Data, Energies 2021, 14, 3459. https://doi.org/10.3390/ en14123459
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13. Shafiee M., Patriksson M., Strömberg A. B., Bertling L., Optimal Redundancy and Maintenance Strategy Decisions for Offshore Wind Power Converters , International Journal of Reliability, Quality, and Safety Engineering, Vol. 22, Issue 03, June 2015.
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15. Bangalore P., Bertling Tjernberg L, An artificial neural network approach for early fault detection of gearbox bearings, IEEE Transactions on Smart Grid, Vol. 6, No. 2., March 2015.
16. Salih S. N., Chen P., Carlson O., Bertling Tjernberg L., Optimizing wind power hosting capacity of a distribution system using costs benefit analysis, IEEE Transactions on Power Delivery, Vol. 29, No. 3, June 2014.
17. Wang F., Tuan L. A., Tjernberg Bertling L, Mannikoff A., Bergman A., A New Approach for Benefit Evaluation of Multi-Terminal VSC-HVDC Using A Proposed Mixed AC/DC Optimal Power Flow, IEEE Transactions on Power Delivery, Vol. 29, No. 1, Feb. 2014.
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21. Steen, D.; Le, T., Bertling, L., Carlson, O.: Assessment of Electric Vehicle Charging Scenarios Based on Demographical Data. IEEE Transactions on Smart Grid, Vol. 3, No. 3, pp. 1457-1468, Sept. 2012.
22. Fischer K., Besnard F., Bertling L.: Reliability-Centred Maintenance for Wind Turbines Based on Statistical Analysis and Practical Experience. IEEE Transactions on Energy Conversion, Vol. 27, No. 1, pp. 184 – 195, March 2012.
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24. Wallnerström, C.; Bertling, L.; Le, T.: Risk and reliability assessment for electrical distribution systems and impacts of regulations with examples from Sweden. International Journal of Systems Assurance Engineering and Management, Dec. 2010.
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B Conference paper, and magazines, with referee-system (full paper review 2-3 reviewers)

1. G. Lal Rajora, L. Bertling Tjernberg, M. A. Sanz-Bobi, Advancements and Challenges in Asset Management for HVDC Cable Systems: A Machine Learning Perspective, Proceedings of the International Conference on Probabilistic Methods Applied to Power Systems (PMAPS), Auckland, New Zealand, June 2024.
2. T. Elmfeldt, Y. Arafat, L. Bertling Tjernberg, A. Lugnet, and G. Nyström, Sector-coupling Green Hydrogen to Electrify Steel Production - A Case Study at Ovako Hofors, Proceedings of the International Conference on Probabilistic Methods Applied to Power Systems (PMAPS), Auckland, New Zealand, June 2024.
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8. F. Chen, J. Yan, L. Bertling Tjernberg, D. Song, Y. Yan, Y. Liu Medium –Term Wind Power Forecasting based on Dynamic Self-Attention Mechanism, In proceedings of IEEE PowerTech, Belgrade, June 2023.
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12. E. Holmgren, D. Haldar, L. Bertling Tjernberg, A. Johansson, More Electric Aircraft (MEA) - Scaling Aspects and Weight Impact, 33RD Congress of the International Council of the Aeronautical Sciences (ICAS), Stockholm, Sweden, September 2022.
13. A. Johansson , M. Yildiz , L. Bertling Tjernberg, More Electric Airplane: case study Stockholm – Copenhagen, 33RD Congress of the International Council of the Aeronautical Sciences (ICAS), Stockholm, Sweden, September 2022.
14. Y. Cui, P. Bangalore, and L. Bertling Tjernberg, Fault Diagnostics of Power Transformers Using Autoencoders and Gated Recurrent Units with Applications for Sensor Failures, In proceedings of the International Conference on Probabilistic Methods Applied to Power Systems (PMAPS), Manchester, UK, June 2022.
15. H. Shafique, D.-E. Archer , R. Eriksson, L. B. Tjernberg, Real-time Operation Model for Energy Management System of Battery Energy Storage System - Case Study: The School of Sinntorp, In proceedings of the International Conference on Probabilistic Methods Applied to Power Systems (PMAPS), Manchester, UK, June 2022.
16. J. Eduardo Urrea Cabus, Y. Cui, P. Bangalore, and L. Bertling Tjernberg, An Anomaly Detection Approach Based on Autoencoders for Condition Monitoring of Wind Turbines, In proceedings of the International Conference on Probabilistic Methods Applied to Power Systems (PMAPS), Manchester, UK, June 2022.
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22. M. Majidi Nezhad, A. Heydari, E. Pirshayan, D. Groppi, F. Cumo, O. De Santoli, L. Bertling Tjernberg and D. Astiaso Garcia. A novel forecasting model for wind source assessment using Sentinel 1 images and machine learning method: a case study Favignana island. 12th International Conference on Sustainable Energy & Environmental Protection “SEEP 2019”, The University of Sharjah, November 18-21, 2019.
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32. Y. Arafat, L. Bertling Tjernberg and P. A.. Gustafsson, "Experience from real tests on multiple smart meter switching," in in IEEE PES ISGT ASIA, 2015, Bangkok, November 2015.
33. Y. Arafat, L. Bertling Tjernberg and P. A. Gustafsson, "Field test on multiple Smart Meter

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35. Arafat Y., Bertling Tjernberg L., Gustafsson P.-A., Experience from Real Tests on Multiple Smart Meter Switching, In Proceedings of IEEE PES ISGT Europe 2014, October 2014, Istanbul.
36. Steen D., Balram P., Le. T., Reichenberg L., Bertling Tjernberg L., Impact assessment of wind power and demand side management on day-ahead market price, In Proceedings of IEEE PES ISGT Europe 2014, October 2014, Istanbul.
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38. Puglia G., Bangalore P., Bertling Tjernberg L., Cost Efficient Maintenance Strategies for Wind Power Systems Using LCC, PMAPS 2014, Durham, July 2014.
39. Arafat Y., Bertling Tjernberg L., Gustavsson P. A., Remote switching of multiple Smart Meters and steps to check the effect on the grid's power quality, IEEE PES Transmission & Distribution conference & exposition (T&D), April 2014, Chicago.
40. Pinares G., Le Anh T., Bertling Tjernberg L., Breitholtz C., Analysis of the dc Dynamics of VSC-HVDC Systems Using a Frequency Domain Approach, In proceedings of IEEE PES Asia-Pacific Power and Energy Engineering Conference (APPEEC), Hong Kong, December 2013.
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47. Steen D., Tuan L., Carlson O., Bertling L., Evaluating the Customers' Benefits of Hourly Pricing Based on Day-Ahead Spot Market, In Proceedings of CIRED, Stockholm, June 2013.
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58. Z. Y. Gao, P. Wang, L. Bertling and J. H. Wang, Sizing of Energy Storage for Power Systems with Wind Farms Based on Reliability Cost and Worth Analysis, In Proceedings of IEEE PES GM, Detroit, July 2011.
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