

Curriculum Vitae

Name: Shaojun Huang

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Degrees:

2017.2	PhD	Electrical Engineering Department, Technical University of Denmark
2013.7	Master	Electrical Engineering Department, Aalborg University, Denmark
2001.7	Bachelor	Electrical Engineering Department, Tsinghua University, China

Positions:

2016.8 – present	Postdoc	DTU, Denmark
2013.10-2016.8	Employed PhD	DTU, Denmark
2011.10-2013.6	Research assistant	AAU, Denmark
2005.3-2011.8	Software engineer	Sifang Relay and Automation, China

Research Area:

My research interests include active distribution network management, congestion management, optimization for power system scheduling (economic dispatch, security constraint unit commitment, network reconfiguration, stochastic optimization, convex optimization, convex relaxation, decomposition of large problems, etc.), renewable energy and its uncertainties, voltage stability of the future power system with high penetration of intermittent renewable energy, and multi-energy (heating, gas and power) systems.

Distinctions and awards:

Best paper in the 3rd International Conference on Power and Energy Systems Engineering (2016, Japan)
Best paper in the 4rd International Conference on Power and Energy Systems Engineering (2017 Berlin)
Outstanding Reviewer Award, IEEE Transactions on Smart Grid, 2016

Grants, 2012 – present (ongoing or finished in 2012 or later):

Coordinated operation of integrated energy systems (5.2M DKK from EUDP)

Robust congestion management and distributed self-healing for active distribution networks (1.5M DKK)

Google Scholar publications: 29; Google Scholar Citations: 143; h-index: 6;

Selected publications

- [1] **Shaojun Huang**, Q. Wu, "Dynamic subsidy method for congestion management in distribution networks", IEEE Trans. Smart Grid, 2017
- [2] **Shaojun Huang**, Q. Wu, J. Wang, H. Zhao, "A sufficient condition on convex relaxation of AC optimal power flow in distribution networks", IEEE Trans. Power Syst., vol.32, no.2, pp. 1359 – 1368, 2017
- [3] **Shaojun Huang**, Q. Wu, L. Cheng, Z. Liu, H. Zhao, "Uncertainty management of dynamic tariff method for congestion management in distribution networks", IEEE Trans. Power Syst., 2016
- [4] **Shaojun Huang**, Q. Wu, L. Cheng, and Z. Liu, "Optimal reconfiguration-based dynamic tariff for congestion management and line loss reduction in distribution networks," IEEE Trans. Smart Grid, vol.7, no.3, pp. 1295 - 1303, 2016.
- [5] **Shaojun Huang**, Q. Wu, S. S. Oren, R. Li, and Z. Liu, "Distribution locational marginal pricing through quadratic programming for congestion management in distribution networks," IEEE Trans. Power Syst., vol.30, no.4, pp. 2170–2178, Jul. 2015.