

Europass Curriculum Vitae



Personal information

First name / Surname	Poul Sørensen
Addresses	Technical University of Denmark, Department of Wind Energy, Frederiksborgvej 399, 4000 Roskilde, Denmark (office) Christen Bergs Alle 18, 2500 Valby, Denmark (privat)
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Nationality	Danish
Date of birth	16 June 1958

Work experience

Jan 2013 – present	Professor, Team Leader, Technical University of Denmark
Jun 2008 – Dec 2012	Research Specialist Professor, Technical University of Denmark
Jan 2007 – May 2008	Senior Scientist, Technical University of Denmark
Aug 1998 – Dec 2006	Senior Scientist, Risø National Laboratory, Denmark
Apr 1994 – Jul 1998	Senior Engineer, Risø National Laboratory, Denmark
Oct 1987 – Mar 1994	Project Engineer, Risø National Laboratory, Denmark
Apr 1987 – Sep 1987	Project Engineer, Danish Dairy Research Institute, Hillerød, Denmark

Education

Jan 1987	M.Sc. Electric Engineering, Technical University of Denmark
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Memberships

	Selected memberships of international committees, expert groups and organisations:
2012 – present	IET Renewable Power Generation – Editorial Board (Member)
2010 – present	European Wind Energy Technology Platform (TPWind) WG3 – Wind energy integration (Member)
2009 – present	IEA Wind Annex 25. Design and operation of power systems with large amounts of wind power (Member)
2009 – present	International Electrotechnical Committee (IEC); IEC 61400-27: Electrical simulation models for wind power generation (Convener)
2008 – present	Wind Integration Workshop – International Advisory Committee (Member)
2004 – present	IEEE (Senior Member 2007)
2002 – present	International Electrotechnical Committee (IEC); IEC 61400-21: Measurement and assessment of power quality of grid connected wind turbines. IEC 61400-21 (Member)
2007 – 2013	Editor – Wind Energy (Wiley)

Publications

ISI Web of Science	ResearcherID http://www.researcherid.com/rid/C-6263-2008 45 articles with citation data 440 citations 9.78 citations per article (average) h-index 13
Google scholar	Public link http://scholar.google.dk/citations?user=FjYXJ0wAAAAJ 229 publications 3002 citations h-index 27 i10-index 51
ResearchGate	Public link https://www.researchgate.net/profile/Poul_Sorensen3/ 71 publications 474 citations RG score 21.23
Recent journal publications	<p><i>Vincent, Claire Louise ; Larsén, Xiaoli Guo ; Larsen, Søren Ejling ; Sørensen, Poul Ejnar.</i> Cross-spectra over the sea from observations and mesoscale modelling. <i>Boundary-Layer Meteorology</i> (2013), 146, 297–318</p> <p><i>Viguera-Rodríguez, A.; Sorensen, P.; Viedma, A.; Donovan, M.H.; Gómez Lázaroa, E.</i> Spectral coherence model for power fluctuations in a wind farm. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> (2012), 102, 14-21</p> <p><i>Margaris, Ioannis ; Papathanassiou, Stavros A. ; Hatzigrygiou, Nikos D. ; Hansen, Anca Daniela ; Sørensen, Poul Ejnar.</i> Frequency Control in Autonomous Power Systems With High Wind Power Penetration. <i>IEEE Transactions on Sustainable Energy</i> (2012), 3, 189-199</p> <p><i>Jin, Lin ; Yuan-zhang, Sun ; Sørensen, Poul Ejnar ; Guo-jie, Li ; Weng-zhong, Gao.</i> Method for Assessing Grid Frequency Deviation Due to Wind Power Fluctuation Based on "Time-Frequency Transformation". <i>IEEE Transactions on Sustainable Energy</i> (2012), 3, 65-73</p> <p><i>Ding, Yi ; Østergaard, Jacob ; Wu, Qiuwei ; Sørensen, Poul Ejnar ; Meibom, Peter.</i> Towards a European renewable-based energy system enabled by smart grid: status and prospects. <i>Dianli Xitong Zidonghua, Automation of Electric Power Systems</i> (2011), 35, 12-17</p> <p><i>Lin, Jin ; Sun, Yuanzhang ; Li, Guojie ; Cheng, Lin ; Li, Xiong ; Sørensen, Poul Ejnar.</i> Simulation of power fluctuation of wind farms based on frequency domain. Part two. Transformation algorithm and model simplification. <i>Dianli Xitong Zidonghua, Automation of Electric Power Systems</i> (2011), 35, 71-76</p> <p><i>Lin, Jin ; Sun, Yuanzhang ; Li, Guojie ; Cheng, Lin ; Li, Xiong ; Sørensen, Poul Ejnar.</i> Simulation of power fluctuation of wind farms based on frequency domain. Part one. Model and analysis technique. <i>Dianli Xitong Zidonghua, Automation of Electric Power Systems</i> (2011), 35, 65-69</p> <p><i>Margaris, I.D. ; Hansen, Anca Daniela ; Sørensen, Poul Ejnar ; Hatzigrygiou, N.D.</i> Dynamic security issues in autonomous power systems with increasing wind power penetration. <i>Electric Power Systems Research</i> (2011), 81, 880-887</p> <p><i>Barahona Garzon, Braulio ; Sørensen, Poul Ejnar ; Christensen, L. ; Sørensen, T. ; Nielsen, H.K. ; Larsén, Xiaoli Guo.</i> Validation of the Standard Method for Assessing Flicker From Wind Turbines. <i>IEEE Trans. Energy Conversion</i> (2011), 26, 373-378</p> <p><i>Margaris, Ioannis D. ; Hansen, Anca Daniela ; Cutululis, Nicolaos Antonio ; Sørensen, Poul Ejnar ; Hatzigrygiou, Nikos D.</i> Impact of wind power in autonomous power systems — power fluctuations — modelling and control issues. <i>Wind Energy</i> (2011), 14, 133-153</p> <p><i>Hansen, Anca Daniela ; Cutululis, Nicolaos Antonio ; Markou, Helen ; Sørensen, Poul Ejnar.</i> Impact of fault ride-through requirements on fixed-speed wind turbine structural loads. <i>Wind Energy</i> (2011), 14, 1-11</p>