

## Thomas Ackermann, Ph.D.

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Languages: German, English



### SELECTED WORK EXPERIENCE

in Germany, Sweden, Denmark, New Zealand, China, Croatia, Australia, USA, Russia, Chile

- |   |  |
|---|--|
| since 06/2000                           | CEO of Energynautics GmbH, a Germany-based research and consulting company in the area of renewable and distributed generation     |
| since 07/1998<br>(since 2002 part time) | Research fellow at the Royal Institute of Technology (KTH), Department of Electric Power Engineering, Stockholm, Sweden            |
| 07/1997 - 06/1998                       | Industrial Research Limited (IRL), Science and Technology Research Company, Christchurch, New Zealand, Position: Research Engineer |
| 03/1996 - 05/1997                       | DesignPower Ltd., Engineering Consultants, Wellington, New Zealand, Position: Project leader                                       |
| 03/1995 - 01/1996                       | Tacke Windtechnik GmbH, Wind Turbine Manufacturer, Germany   |

### EDUCATIONAL EXPERIENCE

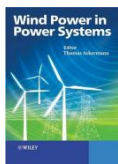
- |                   |   |
|-------------------|---|
| 07/1998 - 05/2004 | Ph.D. from Royal Institute of Technology (KTH), Department of Electrical Engineering, Stockholm, Sweden                                       |
| 02/1996 - 05/1997 | Master of Science in Physics, University of Otago, Dunedin, New Zealand   |
| 09/1988 - 02/1995 | Diplom Wirtschaftsingenieur, equivalent to a combined Master's Degree in Mechanical Engineering & Business Administration, TU Berlin, Germany |

## EDUCATIONAL ACTIVITIES

- Continuously Teaching within various courses related to wind energy and wind power integration into power system, such as:
- Renewable Energy Technology Course, KTH, Stockholm, Sweden
  - Wind Energy Systems Course, KTH, Stockholm, Sweden
  - Wind Power Short Course, UWIG, USA
  - Wind Power Development and Use, SIDA/Life.se, Karlstad, Sweden

## SELECTED PUBLICATIONS

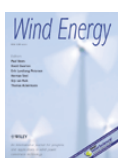
### Books and contributions to books



1. Thomas Ackermann [Editor]: “**Wind Power in Power Systems**“, 691 pages, published in January 2005, by Wiley, UK. The book includes 6 chapters completely or partly written by T. Ackermann (2<sup>nd</sup> Edition will be published in December 2011)



2. Thomas Ackermann: “**Windfarm connection**” in: “**Offshore Wind Power**”, Editor: Gaetano Gaudiosi and John Twidell, 2009, Multi Science, UK



3. Thomas Ackermann, Co-editor: “**Wind Energy**” Journal (since 11/04), Wiley & Sons

### Scientific articles with review

1. Martensen, N., Lund, P., Kley, H., Tröster, E, Ackermann, T.: “**The Danish cell project - Status and perspective of a smart grid demonstration**”, VGB Power Tech., Vol. 91/2011, pp. 64-68.
2. Dubaric, E., Giannoccaro, D., Bengtsson, R., Ackermann, T.: “**Patent data as indicators of wind power technology development**”, World Patent Information, (2011), Volume 33, Issue 2, June 2011, Pages 144-149.
3. Tröster, E., Kuwahata, R., Ackermann, T.: “**European Grid Study 2030/2050**”, Darmstadt/Langen, Germany, January 2011.

4. Ackermann, T., Ancell, G., Borup, L.D., Eriksen, P.B., Ernst, B., Groóme, F., Lange, M., Möhrten, C., Orths, A.G., O'Sullivan, J., DeLa Torre, M.: **“Where the Wind Blows”**, IEEE Power and Energy Magazine, 7 (6), 2009, pp. 65-75.
5. Ackermann, T., Abbad, Juan Rivier; Dudurych, Ivan M.; Erlich, Istvan, Holttinen, Hannele; Kristoffersen, Runge, Jesper and Sørensen, Poul Ejnar: **„European Balancing Act“**, IEEE PES Magazine, Power and Energy for a Special Issue on Wind Power, November/December 2007, pp. 90 - 103.
6. Ackermann, Thomas: **“Distributed Resources and Re-Regulated Electricity Markets”**, Electric Power Systems Research (Elsevier), Volume 77, Issue 9, July 2007, pp. 1148-1159.
7. Barberis Negra, N.; Todorovic, J.; Ackermann, T.: **“Loss Evaluation of HVAC and HVDC Transmission Solutions for Large Offshore Wind Farms”**, Electric Power Systems Research, Vol. 76/11, 2006, pp. 916-927.
8. Lund, P., Cherian, S., Ackermann, T. , **“A Cell Controller for Autonomous Operation of a 60 kV Distribution Area”**. International Journal of Distributed Energy Resources, 2 (2), S. 83-100, 2005.
9. Eriksen, P. B.; Ackermann, T.; Winter, W.; Rodriguez, J.; Smith, P.: **“System Operation Under High Wind Penetration Scenarios: An International Perspective”**, IEEE PES Magazine, Power and Energy for a Special Issue on Wind Power, November/December 2005.
10. Jauch, C.; Matevosyan, J.; Ackermann, T.; Bolik, S.: **“International Comparison of Requirements for Connection of Wind Turbines to Power Systems”**; Wind Energy, Vol. 8, 2005, pp. 295-306.

Total number of reviewed scientific publications: >50  
plus approximately 70 workshop/seminar publications