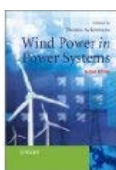


THOMAS ACKERMANN, PH.D. – SELECTED PUBLICATIONS

Books and contributions to books

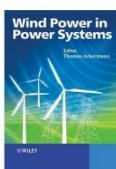


1. Ackermann, T. [Editor]: **“Wind Power in Power Systems”**, 2nd Edition, 1120 pages, published in April 2012, John Wiley & Sons, UK. The book includes the following seven chapters completely or partly written by Ackermann, Thomas, ISBN 0-470-974168:

- 1. Chapter: Introduction (Ackermann, Thomas)
- 3. Chapter: Historical Development and Current Status of Wind Power (Ackermann, Thomas)
- 4. Chapter: Wind Power in Power Systems: An Introduction (Ackermann, Thomas; Söder, Lennart)
- 11. Chapter: Technical Regulations for the Interconnection of Wind Farms to the Power System (Matevosyan, Julija; Ackermann, Thomas; Bolik, Sigrid M.)
- 14. Chapter: Transmission Systems for Offshore Wind Power Plants and the European Supergrid Operation Strategy (Ackermann, Thomas; Orths, Antje; Rudion, Krzysztof)
- 22. Chapter: Economic Aspects of Wind Power in Power Systems (Ackermann, Thomas; Morthorst, Poul Erik)
- 42. Chapter: Wind Power and Smart Grids (Ackermann, Thomas; Slotweg, J. G.)



2. Ackermann, T. (ed.): **“Wind Power in Power Systems”**, Japanese Edition, November 2013, Ohmsha Ltd., Japan. ISBN-10: 4274214761.



3. Ackermann, T. [Editor]: **“Wind Power in Power Systems”**, 1st Edition, 742 pages, published in January 2005, John Wiley & Sons, UK. The book includes the following seven chapters completely or partly written by Ackermann, Thomas, ISBN 0-470-855088:

- 1. Chapter: Introduction (Ackermann, Thomas)
- 2. Chapter: Historical Development and Current Status of Wind Power, pp. 7-24 (Ackermann, Thomas)

Books and contribution to books

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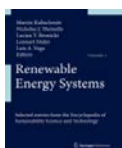
- 3. Chapter: Wind Power in Power Systems: An Introduction, pp.25-52 (Söder, Lennart; Ackermann, Thomas)
- 7. Chapter: Technical Regulations for the Interconnection of Wind Farms to the Power System, pp. 115-142 (Matevosyan, Julija; Ackermann, Thomas; Bolik, Sigrid M.)
- 13. Chapter: Wind Power on the Swedish Island of Gotland, pp. 283-298 (Liljegren, Christer; Ackermann, Thomas)
- 18. Chapter: Economic Aspects of Wind Power in Power Systems, pp. 383-410 (Morthorst, Poul Erik; Ackermann, Thomas)
- 22. Chapter: Transmission Systems for Offshore Wind Farms, pp. 479-504 (Ackermann, Thomas)

4. Ackermann, T.; Kuwahata, R.: **“Global Wind Power Installations”**. In Robert A. Meyers (ed.) **Encyclopedia of Sustainability Science and Technology**, 2012, Springer Verlag. Volume 7, pp. 4474- 4492. ISBN 978-0-387-89469-0.

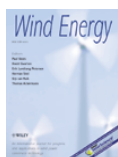
5. Ackermann, T.; Kuwahata, R.: **“Global Wind Power Installations”**. In Martin Kaltschmitt, Nickolas J. Themelis, Lucien Y. Bronicki, Lennart Soeder and Luis A. Vega (eds.) **Renewable Energy Systems**, 2013, Springer, New York. pp. 1020-1038. ISBN 978-1-4614-5862-3.

6. Ackermann, T.: Chapter 6: **“Windfarm Power Connection”**. In Gaetano Gaudiosi and John Twidell (eds.): **Offshore Wind Power**, 2009, Multi Science, UK. ISBN 978-0906522-639.

Ackermann, T.; Yasuda, Y. (translation): Chapter 6: **“Windfarm Power Connection”**. In Gaetano Gaudiosi and John Twidell (eds.) **Offshore Wind Power (Japanese Edition)**. Translation by Japan Wind Energy Association, Kajima Publishing Co., Tokyo, November 2011. ISBN 4306024350.



Journals



1. Ackermann, T. (Editor) **IET Renewable Power Generation**, Vol. 9., Issue 1, January 2015

2. Ackermann, T. (Co-editor): **Wind Energy** Journal (since November 2004), Wiley & Sons.

Theses

1. Ackermann, Thomas: **“Distributed Resources in a Re-regulated Market”**, Ph.D. thesis, Royal Institute of Technology, Department of Electrical Engineering, Stockholm, Sweden, May 2004.

Theses

continued

2. Ackermann, Thomas: **“Development and Analysis of a Computer Simulation Tool to Integrate Large Wind Farms into the New Zealand Hydroelectric Grid System”**, MSc (Physics) thesis, University of Otago, Dunedin, New Zealand, May 1997.
3. Ackermann, Thomas: **“Means to Reduce CO₂-Emissions in the Chinese Electricity System by Using Renewable Energy”**, MSc (Mechanical Engineering) thesis, Technical University Berlin, Germany, February 1995.
4. Ackermann, Thomas: **“Privatisation of Government-Owned Businesses in Russia”**, MBA thesis, Technical University Berlin, Germany, June 1994.

Reports

1. Ackermann, T.; Martensen, N.; Untsch, S.; Brown, T.; et al: **“Entwicklung und Durchführung einer Impactanalyse für den Klimaschutzplan Nordrhein-Westfalen”**, Berlin, September 2014.
2. Ackermann, T.; Brown, T.; Martensen, N.; Langanke, S.; Narasimhan, B.; Geidel, S.; Becker-Birck, C.; Ferrey, S.; Chessin, E.; Crowe, J.; Rickerson, W.: **“Consultancy Services for The Assessment of Grid Absorption Capacity, Grid Code, Feed-In Tariffs and Model Power Purchase Agreements for Renewable Energy Systems”**, Darmstadt/Boston, August 2014.
3. Teske, S.; Brown, T.; Tröster, E.; Schierhorn, P.-P.; Ackermann, T.: **“powE[R] 2030 – A European Grid for 3/4 Renewable Electricity by 2030”**, Greenpeace Germany, March 2014.
4. Tröster, E.; Untsch, S.; Brown, T.; Geidel, S.; Narasimhan, B.; Schierhorn, P.-P.; Ackermann, T.: **“Kurzgutachten zur Eigenstromerzeugung in Rheinland-Pfalz”**, Darmstadt, March 2014.
5. Ackermann, T.; Martensen, N.; Brown, T.; Untsch, S.; Tröster, E.; Geidel, S.; et al: **“Distribution System Study Rhineland-Palatinate”**(English Summary), Darmstadt, Freiburg, Munich, January 2014.
6. Ackermann, T.; Cherevatskiy, S.; Brown, T.; et al: **“Smart Modeling of Optimal Integration of High Penetration of PV (Smooth PV)”**, May 2013.
7. Ackermann, T.; Kuwahata, R.: **“Lessons learned from international Wind Integration Studies - AEMO Wind Integration WP4(A)”**, Langen, Germany, December 2011.

Reports
continued

8. Fürsch, M.; Hagspiel, S.; Jägemann, C.; Nagl, S.; Lindenberger, D.; Glotzbach, L.; Tröster, E.; Ackermann, T.: **„Roadmap 2050 – a closer look: Cost-efficient RES-E penetration and the role of grid extensions“**, Cologne and Langen, Germany, October 2011.
9. Tröster, E., Kuwahata, R., Ackermann, T.: **“European Grid Study 2030/2050”**, Darmstadt/Langen, Germany, January 2011.

Scientific articles with review

1. Ackermann, T.; Prevost T.; Vittal V.; Roscoe, A. J.; Matevosyan, J.; Miller, N.: **“Paving the Way – A future without Inertia is closer than you think”**, IEEE power & energy magazine, Volume 15, Issue 6, November/Dezember 2017, pp. 61-69.
2. Brown, T.; Ackermann, T.; Martensen, N.: **“Solar Power Integration on the Seychelles Islands” / “Intégration de l'énergie solaire aux Seychelles”**, FACTS Reports, Veolia Institute, Second Semester 2016, pp. 46-53.
3. Ackermann, T.; Carlini, E. M.; Ernst, B.; Groome, F.; Orths, A.; O'Sullivan, J.; de la Torre Rodriguez, M.; Silva, V.: **“Integrating Variable Renewables in Europe: Current Status and Recent Extreme Events”**, IEEE power & energy magazine, Volume 13, Number 6, November/December 2015.
4. Ackermann T.; Ellis, A.; Fortmann, J.; Matevosyan, J.; Muljadi, E.; Piwko, R.; Pourbeik, P.; Quitmann, E.; Sorensen, P.; Urdal, H.; Zavadil, B.: **“Code Shift – Grid Specifications and Dynamic Wind Turbine Models“**, IEEE power & energy magazine, November/December 2013.
5. 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.
6. 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.
7. Ackermann, T., Ancell, G., Borup, L.D., Eriksen, P.B., Ernst, B., Groóme, F., Lange, M., Möhrlen, 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.

Scientific articles
with review

continued

8. Smith, J.C., Thresher, R., Zavadil, R., DeMeo, E., Piwko, R., Ernst, B., Ackermann, Thomas: **“A Mighty Wind”**, IEEE Power and Energy Magazine, 7 (2), 2009, pp. 41-51.
9. 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.
10. Ackermann, Thomas: **“Distributed Resources and Re-Regulated Electricity Markets”**, Electric Power Systems Research (Elsevier), Volume 77, Issue 9, July 2007, pp. 1148-1159.
11. 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.
12. 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), pp. 83-100, 2005.
13. 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.
14. 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.
15. Ackermann, Thomas: **“Transmission Systems for Offshore Wind Farms”**, IEEE Power Engineering Review, December 2002, pp. 23-27.
16. Ackermann, Thomas; Söder, Lennart: **“An Overview of Wind Energy – Status 2002”**, Renewable & Sustainable Energy Reviews (Elsevier), 6/ 2002, pp. 67–128.
17. Ackermann, Thomas; Andersson, Göran; Söder, Lennart: **“Distributed Generation: A Definition”**, Electric Power Systems Research (Elsevier), Vol. 57, 2001, pp. 195-204.
18. Ackermann, Thomas; Söder, Lennart: **“Wind Energy Technology and Current Status: A Review”**; Renewable & Sustainable Energy Reviews, 4 / 2000, pp. 315-374.

Scientific articles
with review
continued

- 19.** Ackermann, Thomas; Andersson, Göran; Söder, Lennart :
“**Overview Of Government And Market Driven Programs For The Promotion Of Renewable Power Generation**”; Renewable Energy, Elsevier, 22/ 2001, pp. 197-204.
Also presented at the World Renewable Energy Congress, 10-13 February 1999, Perth, Australia, [Proceedings: Renewable Energy: Technologies & Policies for Sustainable Development, WREC’99, Perth, Australia, pp. 215-219].
- 20.** Ackermann, Thomas; Garner, Karen; Gardiner, Alister;
“**Wind Power Generation in Weak Grids - Economic Optimisation and Power Quality Simulation**”; Renewable Energy, Vol. 18, 2/1999, pp. 205-221, Elsevier.

The paper was also presented at the following conferences:

- Keith Dawber Memorial Presentations on Wind Energy, 24 July 1998, Dunedin, New Zealand
- Deutsche Windenergie Konferenz DEWEK’98, 20-22 October 98, Wilhelmshaven, Germany, [Proceedings: DEWEK’98, published by DEWI, Wilhelmshaven, Germany, pp. 168–170]
- Solar’98 - The Australian and New Zealand Solar Energy Society Annual Conference, 25-27 November 1998, Christchurch, New Zealand
- World Renewable Energy Congress, 10-13 February 1999, Perth, Australia, [Proceedings: Renewable Energy: Technologies & Policies for Sustainable Development, WREC’99, Perth, Australia, pp. 527-532]

- 21.** Ackermann, Thomas: “Means To Reduce CO₂- Emissions in the Chinese Electricity System with Special Consideration to Wind Energy”, Wind Engineering, Vol. 21, No 6 1997, pp. 399-411, Essex, UK.

The paper was also presented at the following conferences:

- Wind Energy Workshop, 9-11 July 1997, Monash University, Melbourne, Australia
- World Renewable Energy Congress, 20-25 September 1998, Floren, Italy; [Proceedings: Renewable Energy – Energy Efficiency, Policy and the Environment, edited by A. A. M. Sayigh, Part 2, pp. 899–903]
- 12th CEPSI - Conference of the Electricity Power Supply Industry, 2-6 November 1998, Bangkok, Thailand

Scientific articles
with review

continued

- Deutsche Windenergie Konferenz DEWEK'98, 20-22 October 1998, Wilhelmshaven, Germany, [Proceedings: DEWEK'98, published by DEWI, Wilhelmshaven, Germany, pp. 307–310]

22. Ackermann, Thomas: "Simulation Study Of An Embedded Grid Connected Wind - Hydro Hybrid System Based On New Zealand Climate Conditions"; Wind Engineering, Vol. 21, No 5 1997, pp. 283-293, Essex, UK.

The paper was also presented at the following conferences:

- NZWEA 1997 Conference, 30 June 1997, Wellington, New Zealand.
- Wind Energy Workshop, 9-11 July 1997, Monash University, Melbourne, Australia.
- Solar World Congress 1997, ISES, 24-30 August 1997, Taejon, South-Korea.
- Deutsche Windenergie Konferenz DEWEK'98, 20-22 October 1998, Wilhelmshaven, Germany, [Proceedings: DEWEK'98, published by DEWI, Wilhelmshaven, Germany, pp. 336-340].

Conference papers with review

1. Brown, T.; Langanke, S.; Ackermann, T.: "**Integrating Renewables in Jiangsu Province, China**", 14th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Power Plants, Brussels, Belgium, 20-22 October 2015.
2. Brown, T.; Schierhorn, P.-P.; Tröster, E.; Ackermann, T.: "**Optimising the European Transmission System for 77% Renewables by 2030**", 13th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Power Plants, Berlin, 11-13 November 2014.
3. Tröster, E.; Martensen, N.; Brown, T.; Ackermann, T.: "**Solar Power in a 100% Renewables Scenario for Rhineland-Palatinate**", 4th International Workshop Integration of Solar Power into Power Systems, Berlin, 10-11 November 2014.
4. Martensen, N.; Tröster, E.; Brown, T.; Ackermann, T.; Geidel, S.; Langanke, S.: "**Wind Power in a 100% Renewables Scenario for Rhineland-Palatinate**", 13th International Workshop on

Conference
papers with
review

continued

Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Power Plants, Berlin, November 2014.

5. Tröster, E., Ackermann, T., Betz, B.: **“Using storage to integrate renewables into the distribution system – a case study”**, Paper 1335, CIRED, 22nd International Conference on Electricity Distribution, Stockholm, 10-13 June 2013.
6. Ackermann, T., Kuwahata, R.: **“Methodologies for Studying System-wide Impacts of Wind Power on Transmission System Planning, Operation and Security”**, 11th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants”, Lisbon, Portugal, 13-15 November 2012.
7. Kuwahata, R., Ackermann, T.: **“System-wide Impacts of High Penetrations of Wind Power Affecting Power System Planning, Operation and Security”**, 11th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants”, Lisbon, Portugal, 13-15 November 2012.
8. Tröster, E., Glotzbach, L., Ackermann, T. (Energynautics, Germany); Fürsch, M., Jägemann, C., Nagl, S.; Hagspiel, S.; Lindenberger, D. (EWI, Germany): **“The Importance of Grid Expansion in a High Wind Penetration: Scenario for Europe until 2050”**, 10th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants”, Aarhus, Denmark, 25-26 October 2011.
9. Lund, P. (Energinet.dk, Denmark), Martensen, N.; Ackermann, T.; (Energynautics, Germany), Harrell, J. (Spirae, USA): **“The Role of Wind Turbines in Smart Distribution Systems”**, 10th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants”, Aarhus, Denmark, 25-26 October 2011.
10. Tröster, E., Kuwahata, R., Ackermann, T.: **“The Role of Wind Power in the Future European Power System and its Impact on Grid Expansion”** 9th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants”, Québec City, Canada, 18-19 October 2010.

Conference
papers with
review

continued

11. Ackermann; T., Norregaard, K., Bach, P.-F., Lind, M., Sorensen, P., Tennbakk, B., Togeby, M., Ostergaard, J.: **“Future Challenges of the Danish Power System – Results of Ecogrid.dk – Phase 1”**, 8th International Workshop on Large-Scale Integration of Wind Power and Transmission Networks for Offshore Wind Farms”, Bremen, Germany, 14-15 October 2009.
12. Martensen, N., Lund, T., Kley, H., Ackermann, T., Tröster, E.; **„Erste Erfahrungen aus dem dänischen Cell-Projekt“**, ETG-Kongress 2009. Düsseldorf, Germany, 2009.
13. Ackermann, Thomas; Lund, Per; Martensen, Nis; Tröster, Eckehard, Knazkins, Valerij: **“Overview of the Danish Cell Project”**, 7th International Workshop on Large-Scale Integration of Wind Power and Transmission Networks for Offshore Wind Farms”, Madrid, Spain, 26-27 May 2008.
14. Ackermann, Thomas; Centeno Lopez, Eva; Söder, Lennart: **“Grid Connection Rules for Wind Farms in Spain, Germany, Portugal, United Kingdom and Sweden”**, 7th International Workshop on Large-Scale Integration of Wind Power and Transmission Networks for Offshore Wind Farms”, Madrid, Spain, 26-27 May 2008.
15. Zhang, Xioli and Ackermann, Thomas: **“Overloading Possibilities for HVAC Offshore Transmission Cables”**, 6th International Workshop on Large-Scale Integration of Wind Power and Transmission Networks for Offshore Wind Farms”, Delft, Netherlands, 26-28 October 2006.
16. Giannoccaro, Dimitris; Rehman, Abaid and Ackermann, Thomas: **“Sizing Statcom for the Interconnection of Offshore Wind Farms with HVDC and HVAC Technology”** 6th International Workshop on Large-Scale Integration of Wind Power and Transmission Networks for Offshore Wind Farms, Delft, the Netherlands, 26-28 October 2006.
17. Ackermann, Thomas; Barberis Negra, Nicola; Todorovic, Jovan; Lazaridis, Lazaros: **“Evaluation of Electrical Transmission Concepts for Large Offshore Wind Farms”** presented at Copenhagen Offshore Wind 2005, Denmark, 26-28 October 2005.
18. Barberis Negra, Nicola; Todorovic, Jovan; Ackermann, Thomas: **“Loss Evaluation of HVAC and HVDC Transmission Solutions for Large Offshore Wind Farms”**, presented at “Fifth International Workshop on Large-Scale Integration of Wind Power and Transmission Networks for Offshore Wind Farms”, Glasgow, Scotland, 7-8 April 2005.

Conference
papers with
review

continued

19. Lazaridis, Lazaros; Ackermann, Thomas: **“Economic Comparison of HVAC and HVDC Solutions for Large Offshore Windfarms under Special Consideration of Reliability”**, presented at “Fifth International Workshop on Large-Scale Integration of Wind Power and Transmission Networks for Offshore Wind Farms”, Glasgow, Scotland, 7-8 April 2005.
20. Ackermann, Thomas: **“Transmission Systems for Offshore Windfarms: An Overview”**, presented at Global Windpower Conference, Chicago, Illinois, USA, 28-31 March 2004.
21. Matevosyan, Julija; Ackermann, Thomas, Bolik, Sigrid; Söder, Lennart: **“Comparison of Interconnection Regulations for Wind Farms World Wide”**, Poster at Global Windpower Conference, Chicago, USA, 28-31 March 2004.
22. Matevosyan, Julija; Ackermann, Thomas; Bolik, Sigrid; Söder, Lennart: **“Comparison of International Regulations for Connection of Wind Turbines to the Network”**, Nordic Wind Power Conference on “Grid Integration and Electrical Systems of Wind Turbines and Wind Farms”, Göteborg, Sweden, 1-2 March 2004.
23. Ackermann, Thomas; Knyazkin, Valery: **“Interaction Between Distributed Generation And The Distribution Network: Operation, Control, And Stability Aspects”**, presented at CIRED’03 - 17th International Conference on Electricity Distribution, Barcelona, Spain, 12-15 May 2003.
24. Ackermann, Thomas; Knyazkin, Valery: **“Interaction Between Distributed Generation And The Distribution Network: Operation Aspects”**, “Second International Symposium On Distributed Generation: Power System And Market Aspects”, Proceedings, 2-4 October 2002, Stockholm, Sweden.
25. Ackermann, Thomas: **“Impact of Distribution Network Regulations on the Development of Distributed Power Generation”**, “Second International Symposium on Distributed Generation: Power System and Market Aspects”, Proceedings, 2-4 October 2002, Stockholm, Sweden.
26. Ackermann, Thomas; Knyazkin, Valery: **“Interaction between Distributed Generation and the Distribution Network: Operation Aspects”**, IEEE/PES Transmission and Distribution Conference and Exhibition 2002: Asia Pacific, 6-10 October 2002, Yokohama, Japan.

Conference
papers with
review

continued

27. Ackermann, Thomas; Söder, Lennart: **“Impact of Electricity Market Regulation on the Development of Distributed Power Generation”**, ISES 2001 Solar World Congress, 25 November - 2 December 2001, Adelaide, Australia.
28. Ackermann, Thomas; Leutz, Ralf; Hobohm, Jens: **“World-wide Offshore Wind Potential and European Projects”**, IEEE Power Engineering Society Summer Power Meeting, 15-19 July 2001, Vancouver, Canada at the special session on Large Off - and Onshore Wind Farms: Transmission Networks and Grid Connection Issues. Also Co-Chairman of the session.
29. Leutz, Ralf; Ackermann, Thomas; Suzuki, Akio; Akisawa, Atsushi; Kashiwagi, Takao: **“Technical Offshore Wind Energy Potentials around the Globe”**, 2001 European Wind Energy Conference, 2-6 July 2001, Copenhagen, Denmark, Proceedings pp. 789–792.
30. Montaña, Raul; Ackermann, Thomas; Söder, Lennart: **“Impact of the Utgrunden Offshore Wind Farm on Network Losses”**, 2001 European Wind Energy Conference, 2-6 July 2001, Copenhagen, Denmark, Proceedings pp. 1063–1066.
31. Jones, Lawrence; Ackermann, Thomas: **“Transmission Networks for Offshore Wind Farms: Special Report”**, 2001 European Wind Energy Conference, 2-6 July 2001, Copenhagen, Denmark, Proceedings pp. 1059–1062.
32. Poza, Elena; Ackermann, Thomas: **“Centralised Power Generation versus Distributed Power Generation: a System Analysis”**, International Symposium on Distributed Generation: Power System and Market Aspects, 11-13 June, 2001, Stockholm, Sweden.
33. Ackermann, Thomas: **“Distributed Generation – A Definition”**, International Symposium on Distributed Generation: Power System and Market Aspects, 11-13 June 2001, Stockholm, Sweden. Also Chairman of a session.
34. Leutz, Ralf; Akisawa, A.; Kashiwagi, T. (Tokyo University of Agriculture and Technology) & Ackermann, Thomas/ Royal Institute of Technology & A. Suzuki/UNESCO: **“World-Wide Offshore Wind Energy Potential”**, Second International Workshop on Transmission Networks for Offshore Wind Farms, 29-30 March 2001, Royal Institute of Technology, Stockholm, Sweden. Also Chairman of a session.

Conference
papers with
review

continued

35. Kaiser, Franz; Ackermann, Thomas; Liljegren, Christer; Diez-Castro, Ana; Söder, Lennart: **“High Wind Energy Penetration On Gotland – A Grid Investigation”**; presented at: The Challenge of High Wind Power Penetration for the New Energy Markets Convention Centre Kassel, Germany, 25-27 September 2000.
36. Ackermann, Thomas; Andersson, Göran; Söder, Lennart: **“Electricity Market Regulations and their Impact on Distributed Generation”**; International Conference on Electric Utility Deregulation and Restructuring, and Power Technologies 2000 (DRPT 2000), 4-7 April 2000, London, UK [Proceedings: DRPT 2000, London, UK 2000, pp. 608–613].
37. Ackermann, Thomas; Hobohm, Jens: **“Some Thoughts on Market Regulations and Business Models for HVDC Networks for Offshore Wind Farms”**; International Workshop on Feasibility of HVDC Transmission Networks for Offshore Wind Farms”, 23-24 March 2000, Stockholm, Sweden. (Also Chairman).
38. Ackermann, Thomas; Söder, Lennart: **“Impact of Market Regulations on the Development of Wind Power – An International Comparison”**; presented at Nordic Wind Power Conference (NWPC 2000), 13–14 March 2000, Trondheim, Norway [Proceedings: NWPC 2000, Trondheim, Norway 2000, pp. 29–35].
39. Ackermann, Thomas; Andersson, Göran; Söder, Lennart: **“What Is Distributed Generation?”**; presented at 31st North American Power Symposium, 11-12 October 1999, San Luis Obispo, USA [Proceedings: NAPS’99, San Luis Obispo, USA 1999, pp. 232–239].
40. Leutz, Ralf; Ackermann, Thomas; Akisawa, Atsushi; Kashiwagi, Takao: **“Solar Cooling for Asia and the Pacific: Resources”**; presented at World Renewable Energy Congress, 10-13 February 1999, Perth, Australia. Gardiner
41. Alister; Ackermann, Thomas; Brough, Roger: **“Weak Grid Quality – Voltage Stability Improvement through Distributed Generation”**; presented at Power Systems World’98, 7-13 November 1998, Santa Clara, California, USA.

Conference and workshop papers without review

1. Ackermann, Thomas: **“From 25 to 50% Wind Power in the Danish Power System”**, NZWEA’s Wind Integration Workshop, Wednesday 11 August 2010, Wellington, New Zealand.
2. Ackermann, Thomas: **“Introduction to Wind Power and Wind Turbine Technology”**, Wind Power Seminar organized by IET, 5-6 August 2010, Melbourne, Australia.
3. Ackermann, Thomas: **“Denmark’s Cell Architecture Project: Decentralized Management of Systems with High Penetration of Renewable Energy”**, Workshop on Smart Grid Demonstrations in Distribution Networks, 17 February 2010, Tampere, Finland.
4. Ackermann, Thomas: **„Das dänische Cell Projekt: Aktueller Stand und Perspektiven des Smart Grid Projekts“**, 17. Handelsblatt Jahrestagung Energiewirtschaft 2010, 19-21 January 2010, Berlin, Germany.
5. Ackermann, Thomas: **“Introduction to Wind Power and Wind Turbine Technology”**, Wind Power in Power Systems Short Course, Curtin University of Technology, 28 June - 1 July 2009 Perth, Western Australia.
6. Ackermann, Thomas: **“The EcoGridDK project – an overview”**, Nordic Wind Power Conference, 10-11 September 2009, Bornholm, Denmark.
7. Ackermann, Thomas: **“International Case Study: The Grid in Denmark”**, Power Electronics 2009: Connecting to Future Energy, The IET, 28 April 2009 Birmingham, UK.
8. Ackermann, Thomas: **“The European Wind Integration Experience”**, Wind Integration Seminar, Montreal, Canada, 12-13 February 2008.
9. Ackermann, Thomas: **“Large Scale Integration of Renewable Energy – Lessons Learned from Wind Power”**, 1st Int’l Workshop on Concentrating Photovoltaic Optics and Power, Marburg, Germany, 11-12 October 2007.
10. Ackermann, Thomas: **“European Experience: History and Prospects”**, IEEE Symposium on Wind Power: Technology, Economics, and Politics, organized by IEEE Power Engineering Society to be held Washington, USA, April 2006.

Conference and
workshop papers
without review

continued

11. Ackermann, Thomas: **"European Wind Power Integration Experience and the Cell Controller Concept"**, Solar 2005, ANZSES 43rd Annual Conference, held in Dunedin, New Zealand, 28-30 November 2005.
12. Lund, Per; Cherian, Sunil; Ackermann, Thomas: **"A Cell Controller for Autonomous Operation of a 60 kV Distribution Area"**; **10th Kasseler Symposium Energy Systems Technology** on The Future of Distribution Grids, Kassel, Germany, 10–11 November, 2005.
13. Lund, Per; Eriksen, Peter Børre; Cherian, Sunil; Ackermann, Thomas: **"Cell Architecture for Distributed Generation Management for the Danish Electric Power System"**; International Electrical Equipment Conference (JIEEC) - The Electrical Network of the Future and Distributed Generation; Bilbao, Spain, 27-28 October 2005.
14. Ackermann, Thomas: **"Danish Integration Experiences with Wind Power"**, Wind Integration and Interconnection Workshop, Albuquerque, New Mexico, USA, 17-21 May 2004.
15. Ackermann, Thomas; Matevosyan, Julija; Bolik, Sigrid: **"Grid Codes in Europe: An Overview"**, Wind Integration and Interconnection Workshop, Albuquerque, New Mexico, USA, 17-21 May 2004.
16. Ackermann, Thomas: **"Global Perspective of Wind Power"** Wind Energy Town Meeting, Lansing, USA, 18.11.2003.
17. Ackermann, Thomas: **"Global Update on Wind Generation Issues"**, MicroGeneration to PowerParks (MGPP) Conference, Lansing, Michigan, USA, 17-18 November 2003.
18. Ackermann, Thomas: **"Impact of Regulations For Network Companies on the Development of Distributed Power Generation"**, Nordisk Energiforskings Seminar "Electricity Market Reforms: Experiences and Lessons for the Future", Copenhagen, 14-15 November 2002.
19. Ackermann, Thomas: **"Impact of Electricity Network Regulations on the Development of Distributed Power Generation"**, presented at a Seminar on The Role of Small-scale Power/ CHP Production in Distributed Generation, organised by CETET, 29 April 2002, Royal Institute of Technology, Stockholm, Sweden.

Conference and
workshop papers
without review

continued

20. Ackermann, Thomas: “**Unbundling of Power Quality Responsibility in Distribution Network or Solving Power Quality Issues with the Creation of Markets**”, presented at a Seminar on Distributed Generation related Power System Behaviour, 24-25 April 2002, Vaasa, Finland.
21. Ackermann, Thomas; Knyazkin, Valery: “**Interaction between Distributed Generation and the Distribution Network: Operation, Control, and Stability Aspects**”, presented at a Seminar on Distributed Generation related Power System Behaviour, 24-25 April 2002, Vaasa, Finland.
22. Ackermann, Thomas: “**Distributed Generation – A Definition**”, presented at a Seminar on Distributed Generation related Power System Behaviour, 24-25 April 2002, Vaasa, Finland.
23. Söder, Lennart; Ackermann, Thomas: “**Distribuerad Elproduktion I En Avreglerad Elmarknad**”, presented at Elforskdagen, Stockholm, Sweden, 7 November 2001.
24. Ackermann, Thomas: “**Overview of Government and Market Driven Instruments for the Promotion of Renewable Power Generation**”, presented at Energitinget in Eskilstuna/ Sweden, March 2001.
25. Leutz, Ralf; Ackermann, Thomas; Suzuki, A.; Akisawa, A.; Kashiwagi, T.: “**Offshore Wind Energy Potentials of Japan And South Korea**”; submitted to the wind offshore committee of Japan and annual national conference of the Japan's solar and wind energy societies, November 2000, Tokyo.
26. Ackermann, Thomas; Weise, Eckart: “**Instruments to Promote Wind Energy in Different Countries**”; presented by E. Weise at the Fourth International Sarigerme Wind Energy Workshop, Ortaca, Turkey, 6-9 June 2000.
27. Ackermann, Thomas: “**Historical Perspective and Economics of Distributed Generation**”; Int. Seminar on Standards of Quality of Electrical Service, New Challenges and Technologies in Generation, Transmission, Distribution and End User Power Systems, Pontificia Univ. Católica de Chile, 26-28 April 2000.
28. Ackermann, Thomas: “**Distributed Generation: Definition and Network Issues**”; Int. Seminar on Standards of Quality of Electrical Service, New Challenges and Technologies in Generation, Transmission, Distribution and End User Power Systems, Pontificia Universidad Católica de Chile, 26-28 April 2000.

Conference and
workshop papers
without review

continued

29. Ackermann, Thomas: **“Current Status of Distributed Generation and Business Opportunities”**; Int. Seminar on Standards of Quality of Electrical Service, New Challenges and Technologies in Generation, Transmission, Distribution and End User Power Systems, Pontificia Universidad Católica de Chile, April 2000.
30. Ackermann, Thomas: **“Instruments for the Promotion of Renewable Power Generation”**, presented at a Stockholm Environmental Institute (SEI) Energy Programme Seminar, December 1999.
31. Ackermann, Thomas; Söder, Lennart: **“Biomass Power Generation In Competitive Markets – The Impact of Instruments and Regulations”**; 2nd Olle Lindström Symposium on Renewable Energy – Bioenergy, 9-11 June 1999, Stockholm, Sweden.

Working papers without review

1. Ackermann, Thomas: **“Distributed Power Generation and Its Impact on Distribution Networks”**; Working Paper, August 2000.
2. Ackermann, Thomas: **“Distributed Power Generation in a Deregulated Market Environment – Part 1: Electricity Market Regulations and their Impact on Distributed Power Generation”**; Working Paper
 - Part A: Background – Definition – Economics (60 pages),
 - Part B: Comparison of Market Regulations (60 pages),
 - Part C: References (60 pages); Royal Institute of Technology, Department of Electric Power Engineering, Electric Power Systems, Stockholm, Sweden, May 1999.

Editor of proceedings

1. Betancourt, Uta; Ackermann, Thomas [Editor]: Proceedings: **“16th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants”**, Berlin, Germany, 25-27 October 2017.
2. Betancourt, Uta; Ackermann, Thomas [Editor]: Proceedings: **“7th International Workshop on Integration of Solar Power into Power Systems”**, Berlin, Germany, 24-25 October 2017.

Editor of
proceedings
continued

3. Betancourt, Uta; Ackermann, Thomas [Editor]: Proceedings: **“1st E-Mobility Power System Integration Symposium”**, Berlin, Germany, 23 October 2017.
4. Betancourt, Uta; Ackermann, Thomas [Editor]: Proceedings: **“15th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants”**, Vienna, Austria, 15-17 November 2016.
5. Betancourt, Uta; Ackermann, Thomas [Editor]: Proceedings: **“6th International Workshop on Integration of Solar Power into Power Systems”**, Vienna, Austria, 14-15 November 2016.
6. Betancourt, Uta; Ackermann, Thomas [Editor]: Proceedings: **“14th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants”**, Brussels, Belgium, 20-22 October 2015.
7. Betancourt, Uta; Ackermann, Thomas [Editor]: Proceedings: **“5th International Workshop on Integration of Solar Power into Power Systems”**, Brussels, Belgium, 19-20 October 2015.
8. Betancourt, Uta; Ackermann, Thomas [Editor]: Proceedings: **“13th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants”**, Berlin, Germany, 11-13 November 2014.
9. Betancourt, Uta; Ackermann, Thomas [Editor]: Proceedings: **“4th International Workshop on Integration of Solar Power into Power Systems”**, Berlin, Germany, 10-11 November 2014.
10. Betancourt, Uta; Ackermann, Thomas [Editor]: Proceedings: **“12th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants”**, London, United Kingdom, 22-24 October 2013.
11. Betancourt, Uta; Ackermann, Thomas [Editor]: Proceedings: **“3rd International Workshop on Integration of Solar Power into Power Systems”**, London, United Kingdom, 21-22 October 2013.
12. Betancourt, Uta; Ackermann, Thomas [Editor]: Proceedings: **“11th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants”**, Lisbon, Portugal, 13-15 November 2012.

Editor of
proceedings
continued

13. Betancourt, Uta; Ackermann, Thomas [Editor]: Proceedings: **“2nd International Workshop on Integration of Solar Power into Power Systems”**, Lisbon, Portugal, 12-13 November 2012.
14. Betancourt, Uta; Ackermann, Thomas [Editor]: Proceedings: **“10th International Workshop on Large-Scale Integration of Wind Power into Power Systems as well as on Transmission Networks for Offshore Wind Power Plants”**, Aarhus, Denmark, 25-26 October 2011.
15. Betancourt, Uta; Ackermann, Thomas [Editor]: Proceedings: **“1st International Workshop on Integration of Solar Power into Power Systems”**, Aarhus, Denmark, 24 October 2011.
16. Betancourt, Uta; Ackermann, Thomas [Editor]: Proceedings: **“9th International Workshop on Large-Scale Integration of Wind Power and Transmission Networks for Offshore Wind Power Plants”**, Québec City, Canada, 18-19 October 2010.
17. Betancourt, Uta; Ackermann, Thomas [Editor]: Proceedings: **“8th International Workshop on Large-Scale Integration of Wind Power and Transmission Networks for Offshore Wind Farms”**, Bremen, Germany, 14-15 October 2009.
18. Betancourt, Uta; Ackermann, Thomas [Editor]: Proceedings, **“7th International Workshop on Large-Scale Integration of Wind Power and Transmission Networks for Offshore Wind Farms”**, Madrid, Spain, 26-27 May 2008.
19. Hendriks, Ralph; Ummels, Bart; Ackermann, Thomas [Editor]: Proceedings, **“6th International Workshop on Large-Scale Integration of Wind Power and Transmission Networks for Offshore Wind Farms”**, Delft, the Netherlands, 26-28 October 2006.
20. Ackermann, Thomas [Editor]: Proceedings, **“5th International Workshop on Large-Scale Integration of Wind Power and Transmission Networks for Offshore Wind Farms”**, Glasgow, Scotland, 7-8 April 2005.
21. Ackermann, Thomas; Matevosyan, Julija [Editors]: Proceedings, **“4th International Workshop on Large-Scale Integration of Wind Power and Transmission Networks for Offshore Wind Farms”**, 20-21 October 2003, Billund, Denmark.
22. Ackermann, Thomas [Editor]: Proceedings, **“Second International Symposium on Distributed Generation: Power System and Market Aspects”**, 2-4 October 2002, Stockholm, Sweden.

Editor of
proceedings
continued

23. Ackermann, Thomas [Editor]: Proceedings, **“3rd International Workshop on Transmission Networks for Offshore Wind Farms”**, April 11–12, 2002, Royal Institute of Technology, Stockholm, Sweden.
24. Ackermann, Thomas [Editor]: Proceedings, **“1st International Symposium on Distributed Generation: Power System and Market Aspects”**, 11-13 June 2001, Stockholm, Sweden.
25. Ackermann, Thomas [Editor]: Proceedings, **“2nd International Workshop on Transmission Networks for Offshore Wind Farms”**, 29-30 March 2001, Royal Institute of Technology, Stockholm, Sweden.
26. Ackermann, Thomas [Editor]: Proceedings, **“1st International Workshop on Feasibility Of HVDC Transmission Networks for Offshore Wind Farms”**, 23-24 March 2000, Stockholm, Sweden.

Other publications

1. Ackermann, Thomas: **“Large Scale Integration of Wind Power: Results from the DENA Study”**, published in Renewable Energy World, July/August 2005.
2. Ackermann, Thomas; Vlasta Zanki: **“Današnji Status Vjetroenergije U Svijetu”** (Croatian), in: EGE (published in Zagreb), 4/2002, pp. 164-167.
3. Ackermann, Thomas: **“Transmission Systems for Offshore Wind Farms”**, in: Renewable Energy World, July/August 2002, Volume 5, Number 4, pp. 48-61.
4. Ackermann, Thomas: **“Wind Picking up Down Under – Challenging a Politically Powerful Coal Industry in Australia”**; in: New Energy, Bundesverband WindEnergie, Germany, No. 4, December 1999, pp. 38-39.
5. Ackermann, Thomas: **“A Dark Cloud over New Zealand – Government Decision destroys Wind Power Market”**; New Energy, Bundesverband WindEnergie, Germany, No. 4, December 1999, pp. 40-41.
6. Ackermann, Thomas: **“Australia: 2 % Quota for Renewable Energies”**; New Energy, Bundesverband WindEnergie, Germany, No. 2, May 1999, page 61; and the German version **„Australia: Zwei-Prozent-Quote für erneuerbare Energien”**, in: Neue Energien, Bundesverband WindEnergie, Germany, No. 4, April 1999, page 76.

Other
publications
continued

7. Ackermann, Thomas: **„Wegweiser für die Datenautobahn – Faszination durch weltweite Vernetzung“**; Sonnenenergie & Wärmetechnik, Bielefelder Verlagsanstalt, Germany, No. 1, 1999, pp. 14-17.
8. Ackermann, Thomas; Müller, Dörte: **“Auckland Unplugged – The story of a blackout”**; Electric Light & Power, Tulsa, OK, USA, November 1998, Volume 76, Number 11, pp. 20-23.
9. Ackermann, Thomas: **„Windenergienutzung in Neuseeland und Australien“**; Sonnenenergie & Wärmetechnik, Bielefelder Verlagsanstalt, Germany, No. 6, November/December 1998, page 60-63.
10. Ackermann, Thomas: **„Weltkongreß für Erneuerbare in Florenz “**: Sonnenenergie & Wärmetechnik news Bielefelder Verlagsanstalt, Germany, VI/ 98, 28 October 1998, page 8.
11. Ackermann, Thomas: **“Letter from New Zealand: The wind energy scene down under”**: Wind Directions – Magazine of the European Wind Energy Association, London, UK, Volume XVII, No 3 (April 98), page 6.
12. Ackermann, Thomas: **„Windenergie Down Under - Windszene Neuseeland und Australien“**; Sonnenzeitung, Wien, Austria, No. 1, February 1998, pp. 28-30.
13. Ackermann, Thomas: **„Währungsturbulenzen: Asiatisches Roulette“**; Sonnenzeitung, Wien, Austria, No. 1, February 1998, page 31.
14. Leutz, Ralf; Ackermann, Thomas: **„Japan: Wind in Nippon“**; in: Wind Energie Aktuell, Germany, Heft 12, December 1997, Volume 7, pp. 36-37.
15. Ackermann, Thomas: **„Diffuser Windkraftanlage - ein Quantensprung oder nur viel Wind um nichts?“**; in: Wind Energie Aktuell, Germany, No. 12, December 1997, Volume 7, pp. 17-18.
16. Ackermann, Thomas; Leutz, Ralf: **„Aufwind in Japan“**; in: Sonnenzeitung, Wien, Austria, No. 4, 11/ 1997, pp. 40-41.
17. Ackermann, Thomas: **„Sydney: Windparkinvestoren für die Olympiade? - Windenergie down under“**; in: Wind Energie Aktuell, Germany, No. 11, November 1997, Volume 7, pp. 36-37.
18. Ackermann, Thomas: **„Solar World Congress: Bericht vom ISES-Weltkongreß in Südkorea“**; in: Sonnen Energie - Zeitschrift für regenerative Energiequellen und Energieeinsparung, Germany, No. 5, October 97, Volume 22, p. 11.

19. Ackermann, Thomas; Leutz, Ralf: „**Strom aus Windanlagen und Dieselgeneratoren: In der Pazifik-Region ergänzen Windkonverter die Dieselaggregate**“; VDI Nachrichten, No. 44, 31. October 1997, Volume 51, page 32.

... and further publications of articles and photos about environmental topics and my travelling experiences.