

PROCEEDINGS

Edited by Uta Betancourt / Thomas Ackermann

7th Solar Integration Workshop

International Workshop on Integration
of Solar Power into Power Systems



24 - 25 October 2017 | Berlin, Germany

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S. Laudahn, F. Rauscher, B. Engel (TU Braunschweig, Germany), T. Bülo (SMA Solar Technology, Germany), J. Bömer (EPRI, USA)

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S. Hempel, J. D. Schmidt, E. Tröster, T. Ackermann (Energynautics, Germany)

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C. Schweinsberg, J.-D. Schmidt, E. Tröster (Energynautics, Germany), D. Maihöfner, J. Hanson (TU Darmstadt, Germany)

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N. Sébastien, E. Buessler, E. Chaintreau, S. Cros (Reuniwatt, France)

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K. E. Wadsack, T. Acker (Northern Arizona University, USA)

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B. Badrzadeh (Australian Energy Market Operator, Australia)

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B. Lu, A. Blakers, M. Stocks, K. Anderson (Australian National University, Australia)

Supporting Hydro Generation with PV in Costa Rica – Benefits of higher PV shares in a primarily hydro-based system

P.-P. Schierhorn, T. Ackermann (Energynautics, Germany), F. Fernandez (DigiSILENT, Germany), C. Echevarría Barbero, J. R. Paredes, C. Tagwerker (Inter-American Development Bank – IDB, USA / Costa Rica)

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M. Manchen, E. Krige (NamPower, Namibia)

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M. Imanaka, Y. Uchiyama, T. Saito, J. Baba, N. Fujii (University of Tokyo, Japan), N. Higa (Smaeco, Japan)

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F. de Nigris (ABB, Switzerland | Eindhoven University of Technology – TU/e, Netherlands), A. Oudalov, A. Timbus (ABB, Switzerland), J. G. Slootweg, N. Blaauwbroek (Eindhoven University of Technology – TU/e, Netherlands)

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D. van der Meer, J. Andersson, V. Bernström, J. Törnqvist, J. Widén (Uppsala University, Sweden)

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T. Ackermann, E. Tröster, P.-P. Schierhorn, J.-D. Schmidt, B. Narasimhan (Energynautics, Germany), J. Gaebler, H. Bhatnagar, S. Goel, F. Huebner (Deutsche Gesellschaft für Internationale Zusammenarbeit – GIZ, India)

Overcoming Grid Connection Limitations of PV Plants in Distribution Networks with Battery Storage Systems

P. Chodura, M. van Melzen, K. Broess, M. Verburg (DNV GL, Netherlands), U. Albarosa (3G ERES, Jordan)

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W. Martin, Y. Stauffer, C. Ballif, A. Hutter, P.-J. Alet (CSEM PV-center, Switzerland)

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R. Luthander, M. Shepero, J. Munkhammar, J. Widén (Uppsala University, Sweden)

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Time and Locational Value of PV on Distribution Feeders in Spain

A. O'Connell, B. Rogers, J. Roark, J. Smith (Electric Power Research Institute, Ireland/USA), R. Martinez, E. Meroño, J. C. Rucian, A. Reig, J. Cabetas (Iberdrola, Spain)

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P. Tapetado, J. Usaola (University Carlos III Madrid, Spain)

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K. Burges, M. Döring (Ecofys Germany, Germany), F. Lobas-Funck, C. Reinhold (Technical University Braunschweig, Germany)

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E. Kämpf, M. Braun, H. Wang (University of Kassel | Fraunhofer IWES, Germany), B. Ernst (Fraunhofer IWES, Germany)

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A. A. Dawuda, T. Oyama, T. Tsuji (Yokohama National University, Japan)

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P. Unruh, T. Günha (Fraunhofer IWES, Germany)

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J. Ikäheimo, J. Kiviluoma (VTT, Finland)

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09:00 – 10:50 / 25 October 2017 / Room Alexander 2 / Session chair: J. C. Smith (UVIG, USA)

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J. Zack (AWS Truepower, USA)

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N. Miller, D. Lew (GE Power, USA)

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J. Novacheck, G. Brinkman (NREL, United States)

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E. Lannoye (EPRI International, Ireland), A. Tuohy (EPRI, USA), W. Hobbs (Southern Company Services, USA), J. Sharp (Sharply Focused, USA)

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E. Ela, A. Tuohy, R. Entriken (EPRI, USA), E. Lannoye (EPRI International, Ireland), R. Philbrick (Polaris Systems Optimization, USA)

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T. Tsuji, H. Nishigami, H. X. Nguyen, T. Takano (Yokohama National University, Japan)

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F. Cornelius, J. Tepper (ABB, Germany), J. Maret (Romande Energie, Switzerland), J. Kern (ABB, USA)

Assessment of Active Power Curtailment Methods With Regard to the German Regulatory Context

F. Meier (Fraunhofer IWES | University of Kassel, Germany), J. Kupka (University of Kassel, Germany), C. Töbermann (Fraunhofer IWES, Germany), M. Braun (Fraunhofer IWES | University of Kassel, Germany)

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