



DELIVERABLE

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DERri

Distributed Energy Resources Research Infrastructures

Integrating Activity: Combination of Collaborative Project and Coordination and Support Action

SEVENTH FRAMEWORK PROGRAMME

Capacities Specific Programme

Research Infrastructures

Journal articles and conference presentations – Collection 2

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RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium and the Commission Services	



Revision History

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This deliverable contains original unpublished work except where clearly indicated otherwise. Acknowledgement of previously published material and of the work of others has been made through appropriate citation, quotation or both.

NOTES:

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For more information on the project DERri, link to <http://www.der-ri.net>



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1 Executive Summary

This document contains a list of all publications in international journals and international conferences that have been made concerning the results of the Joint Research Activities (JRAs) of DERri.

2 Publications

No results of the JRA1 and JRA2 of DERri have been published until August 2011 (month 24).

The following publications about JRA3 of DERri have been made until August 2011 (month 24):

Articles, Papers and Presentations:

[1] D_NA-4.7.1: A. Viehweider, G. Lauss, F. Lehfuss, "Stabilization of Power Hardware-in-the-Loop simulations of electric energy systems", *Simulation Modelling Practice and Theory*, 19 (2011), 7, p.1699 - 1708.

[2] D_NA-4.7.2: A. Viehweider, G. Lauss, F. Lehfuss, "Verbesserung der Genauigkeit und Stabilitätseigenschaften von Power Hardware-in-the-Loop Simulationen mittels einer Dual-Rate-Schnittstelle", *e & i Elektrotechnik und Informationstechnik*, 4 (2011), 4, p. 128 - 134.

[3] D_NA-4.7.3: G. Lauss, F. Lehfuss, A. Viehweider, "Power Hardware-in-the-Loop Simulations for Distributed Generation", *CIREC 2011, Germany*, 2011.

[4] D_NA-4.7.4: F. Lehfuss, G. Lauss, "Implementing a Multiple Input Multiple Output Power-Hardware-in-the-Loop Experiment with Photovoltaic Inverters as Hardware under Test", *Real time 2011 - OPAL RT User conference*, Shanghai, China, 20.06.2011 - 22.06.2011, in: "Real time 2011 presentations", (2011).

[5] D_NA-4.7.5: E. Mrakotsky, C. Mayr, M. Stifter, and T. Strasser, "Sharing Laboratory Infrastructures for Integrating more Energy from Renewable Sources to the Grid: The FP7 project DERri — Distributed Energy Resources Research Infrastructure", *Innovations in Sharing Environmental Observation and Information (EnviroInfo 2011)*, October 5-7, Ispra, Italy, 2011.



[6] D_NA-4.7.6: G. Lauss, F. Lehfuss, A. Vieweider, and T. Strasser, "Power Hardware in the Loop Simulation with Feedback Current Filtering for Electric Systems", in appears in 37th Annual Conference of the IEEE Industrial Electronics Society (IECON'2011), November 7-10, Melbourne, Australia, 2011.

[7] D_NA-4.7.7: F. Andrén, S. Henein, M. Stifter, "Development and Validation of a Coordinated Voltage Controller using Real-time Simulation", in appears in 37th Annual Conference of the IEEE Industrial Electronics Society (IECON'2011), November 7-10, Melbourne, Australia, 2011.

[8] D_NA-4.7.8: P. Kotsampopoulos, "Real Time Simulation and Microgrids", PhD and Young Researcher Seminar in Glasgow, Scotland, UK, DERlab, April 2011

[9] D_NA-4.7.9: P. Kotsampopoulos, Contribution to the "European White Book on Real-Time Power-hardware-in-the-Loop testing", DERlab (not published yet)

Activities:

[1] T. Strasser, F. Lehfuss, P. Crolla, Organisation of the Special Session "Real-time Simulation Methods for Smart Grids" at the 37th Annual Conference of the IEEE Industrial Electronics Society (IECON'11), Melbourne, Australia, 2011.