

International Summer CRIS Workshop on Distributed and Renewable Power Generation (with certification) September 16 - 19, 2008

Distributed and renewable power generation is fundamental to the planning and operation of modern power systems. New requirements for power system planning and operation have to be specified to ensure safe operation and a high quality power supply. Specialized knowledge of RES technologies and power generation device modeling and performance and of the operation of transmission and distribution systems with distributed power generation is the prerequisite to resolving problems that already arise today and will certainly arise in the future.

The International Summer CRIS Workshop on Distributed and Renewable Power Generation provides engineers working on and with modern power systems an opportunity to acquire new skills and experience.

The workshop will concentrate on the working principles of power systems with a high penetration of distributed generation, the modeling of distributed power generation systems and the influence of distributed generation on power system safety, planning and operation.

The International Summer Workshop is intended for engineers working on and with distributed generation and power systems planning and operation. The workshop will be staffed by distinguished professors from Virginia Tech (USA), the University of Wisconsin-Madison (USA) and Otto-von-Guericke University Magdeburg (Germany), INPG Grenoble (France) and professionals from the European Commission and such international concerns as Siemens AG (Germany), Energinet.dk (Denmark) and the International CRIS Institute (Sweden).

At the end of the CRIS Workshop there will be given an official certificate of participation.

The workshop language is English.

Accommodations (mention the CRIS Workshop when making your reservation):

Hotel Ratswaage Magdeburg

Ratswaageplatz 1-4, 39104 Magdeburg, Germany

Tel: +49 391 59 26 193

Fax: +49 391 59 19 615

Email: reservierung@ratswaage.de

Special rate, single: €79

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International Steering Committee

Prof. Arun Phadke, IEEE and CRIS, USA, Chairman
Prof. Zbigniew Antoni Styczynski, ZERE and Otto-von-Guericke University Magdeburg, Germany,

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Local Organizing Committee

Prof. Zbigniew Antoni Styczynski, Chairman
Dr. Przemyslaw Komarnicki, Vice Chairman
Ms. Melanie Baumgarten, Secretary

Registration

Otto-von-Guericke University Magdeburg
Institute of Electric Power Systems
Chair of Electric Power Networks
and Renewable Energy Sources

Ms. Melanie Baumgarten
Universitätsplatz 2
39106 Magdeburg
Germany

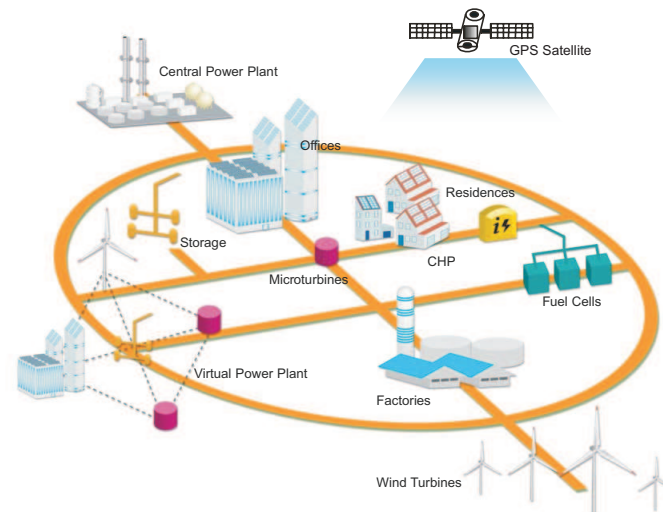
Tel. +49 391 67 18 592
Fax: +49 391 67 12 408
www.uni-magdeburg.de/fet/iesy/lena

Conference fee: €600 (€100 for students)

The conference fee covers workshop attendance, proceedings, refreshments during breaks, lunch on Tuesday through Thursday, Tuesday's Icebreaker Evening, Wednesday's Gala Dinner and excursions to Enercon and the VDTc.

The conference fee does not cover accommodations, which must be arranged individually.

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**Hotel Ratswaage
Magdeburg, Germany
September 16 - 19, 2008**



THE UNIVERSITY
of
WISCONSIN
MADISON



CRIS Institute



Institut
Fabrikbetrieb
und -automatisierung



SIEMENS

ENERGINET/DK



International Summer CRIS Workshop on Distributed and Renewable Power Generation

Magdeburg, Germany, September 16 - 19, 2008

Tuesday, September 16

10:00 Welcoming Remarks

Prof. K. E. Pollmann
President of Otto-von-Guericke University Magdeburg

10:10 Welcoming Remarks

Prof. N. Hadjsaid
Past-President of CRIS Institute

10:20 Saxony-Anhalt: The Renewable Energies State

D. Schubert
Saxony Anhalt State Secretary

10:45 General Information on the 2008 CRIS Workshop

Prof. Z. A. Styczynski
Workshop Chairman

11:15 Coffee break

Session 1: SmartGrids

Chair: Prof. W. Long

11:45 SmartGrids: Power Systems of the Future

Dr. B. M. Buchholz
EU-Platform SmartGrids, Germany

12:30 New Tools for Smart Transmission Grid Operation

Dr. W. Sattinger
Swissgrid AG, Switzerland

13:15 Network architectures for Dispersed Generation

Prof. N. Hadjsaid
INPG, Grenoble, France

14:00 Lunch

Session 2: Photovoltaics, Fuel Cells and Storage

Chair: Dr. P. Komarnicki

15:45 Photovoltaic Systems in Germany

A. Milner (invited)
Q-Cells AG, Germany

16:30 Fuel Cell Engineering: State-of-the-Art and Future Prospects

Prof. K. Sundmacher
Max Planck Institute, Germany

17:15 Energy Storage Systems: The Latest Trends

Prof. D. U. Sauer
RWTH Aachen, Germany

18:00 End of sessions

18:30 Ice Breaker Evening

Wednesday, September 17

Session 3: Wind Power

Chair: Dr. R. Krebs

9:00 Wind Power in Ireland

Prof. M. O'Malley
University College Dublin, Ireland

9:45 Wind Power in the United States

J. C. Smith
Utility Wind Integration Group, USA

10:30 Wind Power in Denmark: A Case Study

Dr. A. Orths
Energinet.dk, Denmark

11:15 Coffee break

Session 4: Wide Area Monitoring and Protection

Chair: Dr. B. M. Buchholz

11:45 Phasor Measurement Technology

Prof. A. Phadke
Virginia Tech, USA

12:30 Modern Power System Protection (Part 1)

Dr. R. Krebs
Siemens AG, Germany

13:15 Complex system of automation in the Romanian EPS for avoiding the frequency deviation during major disturbances'

Dr. S. Gal, D.-M. Paunescu,
F. Lazar, Dr. R. Balaurescu
Transelectrica, Romania

14:00 Lunch

15:45 Wide Area Monitoring Applications

Prof. A. Phadke
Virginia Tech, USA

16:30 Modern Power System Protection (Part 2)

Dr. R. Krebs
Siemens AG, Germany

17:15 End of sessions

18:30 Gala Dinner

Thursday, September 18

Session 5: Power System Planning and Operation with DG

Chair: Dr. A. G. Orths

9:00 Technical and Regulatory Prerequisites to Smart Distribution Systems

Dr. V. Bühner
EUS GmbH, Germany

9:45 Practical Experiences with Student-built Wind Power Systems

Prof. G. Venkataramanan
University of Wisconsin-Madison, USA

10:30 PMU and Power Quality Measurement and Monitoring

Dr. P. Komarnicki
Fraunhofer IFF, Germany

11:15 Coffee break

11:45 Modeling and Simulation with PSS

Dr. O. Ruhle
Siemens AG, Germany

12:30 Power System Simulation with the DUtrain Simulator

Dr. J. Haubrock
DUtrain, Germany

13:15 Lunch

15:45 Certification

16:30 End of sessions

Friday, September 19

9:00 Excursion to ENERCON GmbH, departure from the hotel entrance

12:00 Tour of the Fraunhofer IFF Virtual Development and Training Centre VDTC

13:00 End of the workshop

Directions to the 2008 CRIS Workshop from Magdeburg Main Train Station

Take streetcar 1 headed for "Lerchenwuhne" or 8 headed for
"Neustädter See" to the stop "Breiter Weg" and walk back
(south) for roughly 2 minutes to Hotel Ratswaage (on the left)

