



## Venue

Hanse-Wissenschaftskolleg (HWK)  
Lehmkuhlenbusch 4  
27753 Delmenhorst, Germany

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## Bus between Oldenburg and HWK (Extra Bus)

- 4.11. 8:30 Bus to HWK
- 4.11. 17:00 Bus to Oldenburg
- 5.11. 8:30 Bus to HWK
- 5.11. 19:30 Bus to Oldenburg
- 6.11. 8:30 Bus to HWK
- 6.11. 16:30 Bus to Oldenburg



Campus Wechloy: Bus Station



## Registration

until October 28, 2015  
[www.see.uni-oldenburg.de](http://www.see.uni-oldenburg.de)

## Organizers

**Oliver Kramer & Andreas Günther**  
(Conference Organization Chair, University of Oldenburg)

**Nils A. Treiber & Jarek Puczyłowski**  
(Organization Chair, University of Oldenburg)

**Petra Oetken**  
(Administration, University of Oldenburg)

## Contact

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3rd Workshop on  
System Integration of Renewable Energy



WSIRE 2015

## Program

November 4-6, 2015,  
Hanse-Wissenschaftskolleg,  
Delmenhorst



Wednesday, November 4, 2015

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09:30-10:00	<b>REGISTRATION &amp; OPENING</b> <b>Wolfgang Stenzel</b> (Hanse-Wissenschafts-Kolleg) <b>Oliver Kramer</b> (System Integration of Renewable Energy) <b>Andreas Günther</b> (PhD Programme Renewable Energy)
10:00-10:35	<b>KEYNOTE I</b> <b>Fabian Gieseke (Radboud University, Nijmegen):</b> Big Data Analytics
10:35-11:10	<b>Daniel Lückehe:</b> Simulated Annealing with Parameter Tuning for Wind Turbine Placement Optimization
11:10-11:40	<b>COFFEE BREAK</b>
11:40-12:30	<b>Stefan Weitemeyer:</b> Potential of Grid and Storage for Balancing a pan-European Renewable Power System <b>Sarah Schoenmakers:</b> Resilience in Socio-Technical Systems, Exemplified by the Energy Transport System
12:30-13:30	<b>LUNCH (HWK)</b>
13:30-14:45	<b>Judith Neugebauer:</b> Improving the Flexibility Description of Combined Heat and Power Plants by Data Preprocessing <b>Alexander Kies:</b> Curtailment and Capacity Factors <b>Cornelius Steinbrink:</b> Uncertainty Propagation through Black-Box Smart Grid Co-Simulation
14:45-15:15	<b>COFFEE BREAK</b>
15:15-16:05	<b>KEYNOTE II</b> <b>Rustom Bhiladvala (University of Victoria):</b> Wind and Solar Power: Shaping Nano/Micro Devices for Large-Scale Use
16:05-17:00	<b>KEYNOTE III</b> <b>Sarah Becker (IWES Kassel):</b> Market Design

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09:30-10:25	<b>KEYNOTE IV</b> <b>Wei Lee Woon (Masdar Institute):</b> Data Mining in Renewable Energy: Coping with Uncertainty and Complexity
10:25-10:50	<b>Justin Heineremann:</b> Short-Term Wind Power Prediction with Combination of Speed and Power Time Series
10:50-11:20	<b>COFFEE BREAK</b>
11:20-12:35	<b>Marijn van Dooren:</b> Wind Field Reconstruction Methods based on 2D Spinner-Lidar Scanning <b>Mehdi Vali:</b> Control-Oriented Modeling for Wind Farms <b>Mehrnaz Anvari:</b> Disentangling the Stochastic Behaviour of Renewable Energies: Jump-Diffusion Model
12:35-13:45	<b>LUNCH (HWK)</b>
13:45-15:00	<b>Yashwant Kashyap (Indian Institute of Technology):</b> Forecasting of Global Horizontal Irradiance During Dust Storm Case in India <b>Markus Bortolamedi:</b> EU Policies for CO <sub>2</sub> Emission Reduction <b>Marius Paschen:</b> Adapting Long-Lived Infrastructure to Uncertain and Transient Change
15:00-15:30	<b>COFFEE BREAK</b>
15:30-16:20	<b>Daniel Kimmich:</b> Photoelectrochemical Screening of Water Splitting Catalysts <b>Isaac Adjei Safo:</b> Understanding Structural Loss of Shape-Controlled Platinum Nanoparticles for PEM Fuel Cells
16:30-18:00	<b>Poster Session: Satwant Dahiya, Peter Michalowski, Nils André Treiber, Björn Wolff</b>
18:00-19:30	<b>Dinner (HWK)</b>

Friday, November 6, 2015

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	<b>Career Day</b>
09:15-09:30	<b>Registration</b>
09:30-11:00	<b>SESSION I</b> <b>Opening</b> <b>Gesche Heidmann:</b> Career Service, University of Oldenburg <b>Cindy Stern &amp; Susanne Fleischmann:</b> Founding and Innovation Center (GIZ), University of Oldenburg <b>Linda Jauch:</b> Graduate Academy, University of Oldenburg
11:00-11:30	<b>COFFEE BREAK / ROUND TABLE MEETINGS</b>
11:30-13:00	<b>SESSION II</b> <b>Wedigo von Wedel &amp; Martin Vehse:</b> Next Energy, EWE-Forschungszentrum für Energietechnology e.V. (Oldenburg) <b>Juan Pablo Villa:</b> Siemens AG, Wind Power and Renewables Technology (Hamburg) <b>Rodolfo Hegel:</b> Younicos AG (Berlin)
13:00-14:00	<b>LUNCH (HWK) / ROUND TABLE MEETINGS</b>
14:00-15:30	<b>SESSION III</b> <b>Bernd Neddermann:</b> UL International GmbH (DEWI, Wilhelmshaven) <b>Zeynep Karakas:</b> EWE AG, Department for International Business (Oldenburg) <b>Matthias Lange:</b> Energy & Meteo Systems GmbH (Oldenburg)
15:30-15:45	<b>CLOSING SESSION</b>
15:45-16:15	<b>COFFEE BREAK / ROUND TABLE MEETINGS</b>
All Day	<b>Stephanie Roll (Wefers &amp; Coll. Unternehmerberatung GmbH):</b> Individual CV Checks (in German)