

Program 3rd ICEPE 2013

(Status December 3, 2012)

Tuesday, June 4, 2013

09:00	Registration
10:00	Motivation for Transforming to Renewable Energy Systems Session Chair: Detlef Stolten, Juelich Research Center, Germany
10:00	Opening Detlef Stolten, Juelich Research Center, Germany
10:10	Welcome Address: BMBF Staatssekretär Georg Schütte, BMBF, Germany
10:25	The Way to make the Energy World Renewable Jeremy Rifkin, FOET, USA*
10:55	Transformation to Renewable Power Hermann Albers, Bundesverband WindEnergie e.V., Germany
11:10	Renewable Strategy in South Korea Changmo Sung, Green Technology Center-Korea, South Korea
11:25	Coffee Break
11:55	Transition to Renewables as a Challenge for the Industry Carsten Rolle, BDI, Germany
12:10	Industry Perspectives of Wind Power Henrik Stiesdal, Siemens Wind Power A/S, Denmark
12:25	Challenges of Electric Drives prepared for the Transportation Sector Christian H. Mohrdieck, Daimler, Germany
12:40	Motivation of an Industrial Gases & Engineering Company to Energy Transition Andreas Opfermann, Linde AG, Germany
12:55	Renewables as a Market Opportunity for an Independant Power Producer Bernd Bartels, BeBa Energie GmbH, Germany
13:10	Lunch and Poster Exhibition
14:10	Strategies for a Transition to Renewable Energy Systems Session Chair: V. Scherer, Ruhr Univ. Bochum, Germany
14:10	The Energy Report – A Fully Sustainable Global Energy System by 2050 Carsten Petersdorff, ECOFYS, Germany
14:35	Renewables for a Sustainable Energy Supply - Best Practice Worldwide Douglas Arent, NREL, USA
15:00	An Innovation Strategy for DESERTEC with Incremental Steps Ulrich Hueck, DESERTEC Foundation, Germany
15:25	Technologies for Transition to a Sustainable Energy System in China Zhang Xiliang, Institute of Energy Environment and Economy, Tsinghua University, China
15:50	Scotland: Electricity Generation Policy Colin Imrie, The Scottish Government, Great Britain
16:15	Coffee Break
16:45	Hydrogen as an Enabler for Renewables Detlef Stolten, Bernd Emonts, Thomas Grube, Juelich Research Center, Germany
17:10	Era of Transition towards Renewable Energy Based Economy via Clean Production Processes for Power, Fuels and Commodities Nesrin Ozalp, Mechanical Engineering Program, Qatar
17:35	New Values with Renewables for Transportation Tae Won Lim, Hyundai Motor Company, Korea
18:00	Japan's Energy Policy after the 3.11 Natural and Nuclear Disaster – From a Viewpoint of the R&D of Renewable Energy and its Current State Hirohisa Uchida, Departement of Nuclear Engineering, School of Engineering, Japan
18:25	Pre-investigation of Hydrogen Technologies at Large Scales for Electric Grid Load Balancing Fernando Gutierrez-Martin, Univ. Politécnica Madrid, Spain
18:50	Get together & Poster Exhibition
20:00	End of the Conference Day

Colour Code

Plenary Section	Breaks	Keynotes	Power Production	Gas Production	Storage	Distribution	Application	Biomass

*invited

Wednesday, June 5, 2013

09:00	The Transition to Renewable Energy Systems from an Ecological Perspective Uwe Schneidewind, Wuppertal Institute, Germany			
09:30	The Transition to Renewable Energy Systems from an Economical Perspective Martin Grundmann, ARGE Netz, Germany			
10:00	Energy Storage Technologies as Enabler for Renewable Energy Systems Andreas Hauer, ZAE Bayern, Germany			
10:30	Coffee Break and Change Rooms			
11:00	Onshore Wind Power Session Chair: Po Wen Cheng, University of Stuttgart, Germany	Biomass – Global Aspects & Resources Session Chair: Gustav Melin, Svebio, Sweden	Photoelectrical Gas Production Session Chair: John Turner, NREL, USA	Pumped Hydro Storage Session Chair: Atle Harby, SINTEF, Norway
12:30	Lunch and Poster Exhibition			
13:30	Natural Gas Pipeline Systems Gerald Linke, E.ON Ruhrgas AG, Germany			
14:00	Introduction to a Future Hydrogen Grid Joan Ogden, University of CA Davis, USA			
14:30	Power Production by Photovoltaics Session Chair: Bernd Rech, HZB, Germany	Electrochemical Gas Production Session Chair: Jürgen Mergel, Juelich Research Center, Germany	Power to Gas Session Chair: Detlef Stolten, Juelich Research Center, Germany	Biomass for Power Production Session Chair: Daniela Thrän, UFZ, Leipzig, Germany
16:00	Coffee Break			
16:30	Solar Thermal Power Production Session Chair: Robert Pitz-Paal, DLR, Germany	Geothermal Power Session Chair: Chris Bromley, GNS Science, New Zealand	Geologic Gas Storage Session Chair: Roger Rodiek, Parsons Brinckerhoff, USA	Emerging & Developing Countries Session Chair: Dieter Holm, ISES, South Africa
18:00	End of Conference Day			
19:00	Reception			
19:30	Conference Dinner			
20:00	Dinner Speech (N.N.) and Poster Award			

Thursday, June 6, 2013

09:00	Introduction to Transmission Grid Components Armin Schnettler, RWTH Aachen, Germany			
09:30	Introduction to the Transmission Networks Göran Andersson, ETH Zürich, Switzerland			
10:00	Potential and Technologies for Energy Savings in the Industrial Sector Harald Bradke, Fraunhofer ISI, Germany			
10:30	Coffee Break			
11:00	Offshore Wind Power Session Chair: David Infield, University of Strathclyde, UK	The Future Role of Fossil Power Plants - Design and Implementation Session Chair: Erland Christensen, VGB Power Tech, Germany	Smart Grid Session Chair: Goran Strbac, Imperial College, UK	Sustainable Buildings / Europe Session Chair: Karsten Voss, University of Wuppertal, Germany
12:30	Lunch and Poster Exhibition			
13:30	Advanced Batteries Session Chair: Seung Mo Oh, Seoul National University, Korea	Biofuels Session Chair: Franziska Müller-Langer, DBFZ, Germany	Maritime Power Production Session Chair: David Krohn, RenewableUK, United Kingdom	Sustainable Buildings / BRICS Session Chair: Yan Da, Tsinghua University, China
15:00	Coffee Break			
15:30	E-Mobility Session Chair: David L. Greene, Oak Ridge National Laboratory, USA	Hydropower Session Chair: Ånund Killingtveit, NTNU, Norway	Chemical Gas Production Session Chair: Christian Sattler, DLR, Germany	Technical Gas Storage Session Chair: Birgit Scheppat, Rhein-Main-Universität, Germany
17:00	Conclusion of the Conference Viktor Scherer, Ruhr Univ. Bochum, Germany			
17:20	Closing Remarks Detlef Stolten, Juelich Research Center, Germany			
17:30	End of the 3rd ICEPE			