



IESI

International InstituteTM
for Energy Systems
Integration

European Workshop 2014 Programme Technical University of Denmark (DTU)

Day 1 - TUESDAY 27th May 2014

<p>10.00 -14.00 Building 308, , foyer to auditoriums</p>	<p>Registration</p>
<p>10.00 -13.00 Building 308, auditorium 13 (with Coffee Break at appropriate time)</p>	<p>Research Task Force Setting priorities for development of integrated gas-electricity models. Participation of hand-on modellers from private sector, PhD and Postdoctoral researchers.</p>
<p>14.00 – 15.00 Building 308, auditorium 12 (with Coffee Break at appropriate time)</p>	<p>Opening Plenary Marianne Thellersen- <i>Welcome address from DTU</i> Senior Vice President, DTU Marie Donnelly- <i>Energy Systems Integration a European Imperative</i> Director - New and Renewable Sources of Energy, Energy Efficiency and Innovation, European Commission Dana Christensen- <i>U.S. Perspectives on Energy Systems Integration</i> Deputy Laboratory Director, Science & Technology, National Renewable Energy Laboratory, U.S. Mark O'Malley- <i>Outputs from Washington Workshop and Introducing the Themes of the Copenhagen Workshop</i></p>
<p>15.00 – 18.00 Building 308, auditorium 12 (with Coffee Break at appropriate time)</p>	<p>Regulation, Policy and Market Design Session Chair: Bryan Hannegan (NREL) and William D'haeseleer (KU Leuven) William D'haeseleer- <i>Introducing the Topic</i> Ignacio Perez-Arriaga- <i>An Appraisal of the EU Internal Energy Market</i> Professor - University Commillas Madrid, Florence School of Regulation & Visiting Professor at MIT Andrew Ott- <i>Experiences of PJM and Other US Markets in a Deregulated Environment – What has worked and what are the challenges?</i> Vice President - Markets, PJM Interconnection Anne E. Hoskins- <i>Maryland's Competitive Electricity Markets: Where We've Been and Where We're Going</i> Commissioner - Maryland Public Service Commission Eric Callisto-<i>Hybrid Utility Regulation in the U.S. Midwest – Achievements and Challenges?</i> Chair - NARUC's Committee on International Relations & Public Service Commission of Wisconsin OPEN DISCUSSION</p>

**European Workshop 2014 Programme
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Day 2 - Wednesday 28th May 2014

Parallel Sessions

09.30 – 13.00
Building 308,
auditorium 13

(with Coffee Break at
appropriate time)

Gas/Electricity Interdependence

Chair: Steve Heinen (UCD) and Carl Imhoff (PNNL)

Juha Kiviluoma- *Setting the Scene incorporating Recommendations from the Research Task Force*

Senior Scientist- VTT Technical Research Centre of Finland

Christian Hewicker- *Synergies between Gas and Electricity*

Managing Consultant - Markets & Regulation Team, DNV GL

Sandra Scalari-*Adapting Gas-Power Generation*

Project Manager- ENEL

Roch Drozdowski- *Multi-Infrastructure Approaches for Gas and Electricity Distributions Systems*

Head - Mission Smart Grids, GrDF

OPEN DISCUSSION

09.30 – 13.00
Building 308,
auditorium 12

(with Coffee Break at
appropriate time)

Decentralisation and Demand Side Management

Chair: Benjamin Kroposki (NREL) and Johan Driesen (Ku Leuven)

Benjamin Kroposki- *Setting the Scene*

Laurent Schmitt- *Key Regulatory Challenges for DER Flexibility Valuation: Lessons Learnt from First US Large Scale Deployments*

Vice President - Alstom Smart Grid Solutions

Patrick Liddy- *Technical Challenges for System Operators in facilitating Demand Side Aggregation and the Smart Grid*

Founder- Activation Energy, EnerNOC

DONG Representative- *Integration of Distributed Energy into the Danish Energy System*

Michael Hogan- *Demand response-The Atlantic Divide*

Senior Advisor - Regulatory Assistance Project

Patrick Van-Hove- *Flexibility, Distributed Resources and Multi-Energy Systems*

Contact point within DG Research for the SET Plan European Electricity Grids Initiative and for the Smartgrids Technology Platform.

OPEN DISCUSSION

European Workshop 2014 Programme
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Day 2 - Wednesday 28th May 2014

13.00 -14.00

LUNCH

14.00 – 16.30
Building 308,
auditorium 12

(with Coffee Break at
appropriate time)

Water-Energy Nexus

Chair: Karen Forsten (EPRI) and Peter Steen Mikkelsen (DTU)

Peter Steen Mikkelsen- *Setting the Scene*

Gustaf Olsson- *The Water-Energy-Food Nexus: Global Conflicts and Possible Solutions*

Professor - Lund University

Karl Rose- *The Energy-Water Nexus as seen by the World Energy Council*
Director – Policy & Scenarios, World Energy Council

Laurent Bellet- *Water and Energy Nexus: Viewpoint from an Electric Utility*
Advisor - Water and Energy , EDF

OPEN DISCUSSION

16.45 – 17.45
Building 308,
auditorium 12

Energy Technology Perspectives

Chair: Mark O'Malley (UCD)

Speaker: Jean Francois Gagne- *Energy Technology Perspectives in light of Energy Systems Integration*

Head - Energy Technology Policy Division, International Energy Agency

Panel Debate: Dana Christensen
Laurent Schmitt
Karl Rose
Eric Callisto

OPEN DISCUSSION

17.45 -18.00
Building 308,
auditorium 12

Closing Session

Chair: Henrik Madsen

The Organising Committee will discuss the possible outputs from the Copenhagen Workshop reflecting the proposed workshop objectives. Future iiESI Initiatives will be highlighted.

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Location

<https://maps.google.com/maps/ms?msid=213619867810564779476.0004e82795141bb1cf0db&msa=0&ll=55.784091,12.51773&spn=0.002139,0.006191&dg=feature>

Workshop Dinner

On the evening of Tuesday 26th May 2014 there will be a workshop dinner kindly sponsored by
CITIES & DTU

in



'Peter Lieb's Hus'- <http://www.peterlieb.dk/>

If you have not registered for this dinner but wish to attend,
please do so by contacting Anette Iversen at anive@dtu.dk



The Organising Committee

Mark O'Malley- University College Dublin
Benjamin Kroposki- National Renewal Energy Laboratory
William D'haeseleer- KU Leuven
Karen Forsten- Electric Power Research Institute
Henrik Madsen- Technical University of Denmark
Suresh Baskaran- Pacific Northwest National Laboratory
Peter Steen Mikkelsen- Technical University of Denmark
Carl Imhoff- Pacific Northwest National Laboratory
Mike Rinker- Pacific Northwest National Laboratory

would like to **THANK**
all the participants and speakers of this workshop and also to
Technical University of Denmark (DTU) for hosting it.

The workshop is sponsored by iiESI with the generous support of NREL, CITIES & DTU, PNNL, UCD,
EPRI and KU Leuven.

We look forward to seeing you at other iiESI Events in 2014

For information about upcoming iiESI Events, Activities and News check out:

<http://iiesi.org/index.html>