

2nd UK-India bilateral Workshop on Sustainable Energy and Smart Grids

Double Tree Hotel by Hilton, Leeds, UK

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14th -15th July 2016

Day 1: 14th July 2016

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| 10:00 - 10:15 | Registration & Coffee |
| 10:15 - 10:30 | Formal welcome |
| 10:30 - 11:00 | UK-India Future of Energy <i>Dr Haile-Selassie Rajamani, Head of Energy and Smart Grid Research, University of Bradford, UK</i> |
| 11:00 - 11:30 | Hybrid sustainable energy system development in rural India <i>Prof Mohamed Pourkashanian, Head of University Energy Research, University of Sheffield, UK</i> |
| 11:30 - 12:00 | Supergen Wind: Wind Energy Research in the UK. <i>Prof Simon Watson, Centre for Renewable Energy Systems Technology, Loughborough University, UK</i> |
| 12:00 - 12:30 | Storage in the UK <i>Mr Martin Wilcox, Formerly Head of Future Networks, UK Power Networks, UK</i> |
| 12:30 - 14:00 | Lunch |
| 14:00 - 14:30 | Frugal Innovation: How to do More (and Better) with Less <i>Prof Jaideep Prabhu, Director of the Centre for India & Global Business, University of Cambridge, UK</i> |
| 14:30 - 15:00 | Recent regulatory initiatives for better grid management in India <i>Dr Abhijit R. Abhyankar, Associate Professor, Indian Institute of Technology Delhi, India</i> |
| 15:00 - 15:30 | Collaborating by example: Leeds City Council case study on smart and sustainable energy <i>Dr Tom Knowland, Head of Sustainable Energy and Climate Change, Leeds City Council, UK</i> |
| 15:30 - 16:00 | Coffee Break |
| 16:00 - 16:30 | Intelligent Load Control and Management in Smart Power Grids <i>Prof Shanti Swarup, Indian Institute of Technology Madras, Chennai, India</i> |
| 16:30 - 17:00 | Energy Management in Microgrids - Centralized/Decentralized <i>Dr Suryanarayana Doolla, Indian Institute of Technology Bombay, India</i> |
| 19:00 - 22:00 | Workshop Social Dinner |

Day 2: 15th July 2016

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| 09:00 - 09:30 | Smart Grid Communications <i>Prof R. David Koilpillai, Dean (Planning), Indian Institute of Technology Madras, India</i> |
| 09:30 - 10:00 | Cyber Security for smart grids. <i>Dr Prashant Pillai, Deputy Head of Electrical Engineering, University of Bradford, UK</i> |
| 10:00 - 10:30 | Integrated Energy Systems Research at Newcastle University <i>Dr Padraig Lyons, Lecturer in Power Systems, Newcastle University, UK</i> |
| 10:30 - 11:00 | Coffee Break |
| 11:00 - 11:30 | Demand side management of electric vehicle charging including V2G <i>Prof David Infield, Professor of Renewable Energy Systems, Institute of Energy and Environment, University of Strathclyde, UK</i> |
| 11:30 - 12:00 | My Electric Avenue – Trialling demand response of EVs <i>Mr Tim Butler, Senior Consultant, EA Technology, UK</i> |
| 12:00 - 12:30 | Bridging the building fabric thermal performance gap <i>Prof David Johnston, Centre for the Built Environment, Leeds Sustainability Institute (LSI), Leeds Beckett University, UK</i> |
| 12:30 - 13:00 | Investigating the potential for energy flexibility in an historic educational facility <i>Dr Jim Parker, Centre for the Built Environment, Leeds Sustainability Institute (LSI), Leeds Beckett University, UK</i> |
| 13:00 - 14:00 | Lunch |
| 14:00 - 14:30 | SMART Production of Freshwater by Desalination: Peak Hour Water Demand Vs Off-peak Hour Production Seasonal Heat Storage <i>Prof Iqbal Mujtaba, Head of School of Engineering, University of Bradford, UK</i> |
| 14:30 - 15:00 | Seasonal Heat Storage <i>Dr Rick Greenough, Research Group Leader - IESD, De Montfort University, UK</i> |
| 15:00 - 15:30 | Integration of solar –wind hybrid system to micro grid with demand side management <i>Prof A K Parvathy, Head of EEE Dept., Hindustan University, India</i> |
| 15:30 - 16:00 | Enhancing Frequency Regulation Performance with Wind Integration using Flywheel Energy Storage and TCSC <i>Dr Rajesh Abraham, Indian Institute of Space Science and Technology, India</i> |
| 15:30 | Closure and Coffee |