



02 – 06 March, 2015 | Bengaluru, India

### Event Background

The emergence of India as a strong economic power is receiving widespread recognition in the world. On the other hand, although we operate the fourth largest power system in the world, one-third of our population have no access to electricity and our percapita consumption of electricity is one-fourth of the world average! Transmission and Distribution losses in India are also quite high - about 26% in distribution and more than 7% in transmission. Government of India (GoI) and other stakeholders have realized that by implementing incremental improvements in a business as usual scenario we will not be able to provide 24x7 electricity to all households in the country - it requires innovative strategies, breakthrough technologies and bold decisions. In 2013, GoI issued Smart Grid Vision and Roadmap for India; and the newly elected Government in India is committed to provide 24x7 electricity to all households in next 5 years and has recently launched 3 focused programs towards this objective with a total capital outlay of US\$ 14 billion. The new Government has also announced ambitious programs to build 100 Smart Cities on fast track and add 150 GW of renewable energy (100 GW solar and 50 GW wind) generation capacity by 2022! With all these ground breaking initiatives, India has already emerged as the prime destination for Smart Grids and Smart Cities.

**INDIA SMART GRID WEEK (ISGW) 2015** is the first edition of the Conference and an Exhibition that will be organized by **India Smart Grid Forum** (a public private partnership initiative of Ministry of Power, Government of India) with the support of several ministries, government institutions, non-government institutions and multi-lateral agencies from India and overseas.

### Main Objectives of the Event

- Position India as an important emerging market for smart grid and smart city products and services to the international technology companies.
- Provide exposure for utilities, regulators and policy makers in Indian power sector on smart grid technologies, matured solutions and emerging technology trends for the near future.
- Bring World's top most thought leaders in energy sector to share their views on development needs and future technology trends that India could leverage to provide clean energy access to over a billion people.
- Provide a platform for networking and knowledge and technology transfer amongst:
  - Indian utility professionals with their overseas peers who have already implemented smart grid technologies and smart city solutions.
  - Indian industry professionals with overseas technology companies for collaborations and business partnerships.
  - Researchers, consultants and students in India to meet with experts from the industry, academia and research from overseas.
  - Indian technology companies to showcase their products and solutions to potential clients from India and overseas to generate new ideas.
  - Technology start-ups to showcase their products and solutions to potential investors and clients.





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## Structure of ISGW 2015

(Conference and Exhibition Venue: Bangalore International Exhibition Centre)

- **02 March 2015: (1) SMART GRID TUTORIAL & MASTER CLASSES , (2) USA-India Smart Grid Workshop sponsored by USTDA (by invitation only)**
- **03 March 2015: Inauguration of the Conference and Exhibition & ISGAN Annexe#6 Workshop**
- **04 March 2015: Conference and Exhibition & a Special Luncheon Round Table on Smart Regulations for Smart Grids and Smart Cities**
- **05 March 2015: Conference and Exhibition & Special Luncheon Round Table for Launch of Smart Utilities Group**
- **06 March 2015: Site Visits – 4 visits are proposed. Delegates, Speakers and Exhibitors may choose according to their preferences:**
  1. Visit to Smart Grid Pilot Project in Mysore (including historical landmarks in Mysore City)
  2. Visit to Southern Regional Load Dispatch Centre (SRLDC) in Bangalore and Control Room of Bangalore Electricity Supply Company (BESCOM) and Central Power Research Institute (CPRI)
  3. Tour of India's Silicon Valley – visits to campuses of some of India's largest IT companies based in Bangalore
  4. Bangalore City Tour (including Nandi Hills)

(Please note that on 06 March 2015, **Holi**, the festival of colours is celebrated in India and touring around Bangalore and Mysore City will be great fun!)

Besides the above program, several side events with international development agencies such as EBTC, NEDO, USTDA, USIBC etc are planned during 02-05 March 2015.

## Visionary Speakers at ISGW 2015

Several Nobel Laureates and Great Thinkers / Scientists have been invited as Visionary Speakers in the Special Plenary Sessions at ISGW 2015 and many of them have confirmed their participation.

## Technical Papers

ISGW 2015 call for papers has received 133 Technical Papers. All shortlisted papers will be published and selected papers will be presented in the relevant technical sessions/Technical Papers Presentation Tracks.

## Results

Results of ISGW will be a set of recommendations to key decision makers in Government of India, state governments, regulatory commissions and utilities on way-forward to effectively leverage evolving technologies for developing smart grids and smart cities in India.





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## Event Organizers



Organizer



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Utility Partners



Knowledge Partner

## Supporting Ministries



## Partners



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## Media Partners







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## EVENT DAY 1: 02 March 2015

1. **SMART GRID TUTORIAL & MASTER CLASSES** from 9.30 am to 5.30pm ( Detailed Agenda on Page #9)
2. **U.S.-India Smart Grid Workshop** sponsored by USTDA from 10am to 5.30 pm followed by cocktails (Please register at: [regonline.com/indiasmartgridbangalore](http://regonline.com/indiasmartgridbangalore))

## EVENT DAY 2: 03 March 2015

Session Time	Session Details	
09:30 – 11:00	<b>Inaugural Session (90 Min)</b>	
	<ul style="list-style-type: none"> <li>– Welcome Address: BESCOM</li> <li>– Special Address: Secretary, Ministry of Power, Govt of India</li> <li>– Special Address: Secretary, Ministry of New &amp; Renewable Energy*</li> <li>– Special Address: Special Secretary, Ministry of Power</li> <li>– Special Address: A.K.Mittal, Senior DDG, Telecom Engineering Center</li> <li>– Special Address: H.E. Ambassador of Japan to India *</li> <li>– Special Address :Sandy Sheard Counsellor, Energy, Climate and Growth Unit,BHC</li> <li>– Keynote Address: Shri. Piyush Goyal, Minister of State (I/C) for Power, Coal and New and Renewable Energy, Govt of India*</li> <li>– Presentation of highlights of the Knowledge Paper: Bloomberg New Energy Finance</li> <li>– Release of Knowledge Paper by the Chief Guest</li> <li>– Inaugural Address by the Chief Guest: Shri Narendra Modi, Prime Minister of India*</li> <li>– Vote of Thanks</li> </ul>	
11:00 – 11:15	<b>Inauguration of Exhibition by Chief Guest</b>	
11:00 – 11:30	<b>Tea Break</b>	
11:30 – 13:00	<b>Plenary Session – 1: Smart Grid Projects Update, Lessons Learnt, Business Models and Key Emerging Trends</b> <b>Chair: P.K.Sinha, Secretary – Ministry of Power, Govt of India</b> - USA: <i>Russell Conklin, ISGAN</i> - Europe: Mark van Stiphout, Deputy Head of Unit - Energy Technologies, DG ENERGY, <i>European Commission</i> - Japan: <i>Hiroshi Kuniyoshi, Executive Director, NEDO</i> - S.Korea: Ja-yoon Koo, Ex-Chairman of <i>Regulatory Commission</i> - Developing Countries Perspectives: 1. <i>Henry Steingass, Regional Director for South &amp; South East Asia, USTDA</i> 2. <i>Praveer Sinha, Tata Power Delhi Distribution</i> 3. <i>Ravi Seethapathy, Smart Grid Canada</i>	
13:00 – 14:00	<b>Lunch Break</b>	
14:00 - 15:30	<b>Track A: Future Electricity Grid Supporting Low Carbon Energy Supply and Energy Security</b>	<b>Track B: Smart Energy – Vision for the Smart Grid Evolving Towards Smart Customers and Smart Cities /Communities</b>





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	<b>Session A1:Smart Generation and Integration</b> <b>Chair: Tarun Kapoor, Joint Secretary, MNRE</b>	<b>Session B1: Smart Energy Market Design &amp; Regulatory Support</b> <b>Chair: U.K.Panjiar, Chairman, Bihar Electricity Regulatory Commission</b>
	A1.1 Large-Capacity Renewable Energy Generation and Integration Challenges, Photovoltaic Tariff Design and Way-forward : <b>Owen R. Zinaman</b> (NREL, USA) A1.2 Distributed Generation: Nandakumar Pai, Managing Director, Wartsila India A1.3 Protection and Control of Integrated Smart Generation: <b>Sivakumaran Govindarajan Koorsar</b> (Hindle Power) A1.4 Large Scale EU demonstration for Integration of Renewable and Smart (or grid) automation: <b>Rémy GARAUDE VERDIER</b> (GRID4EU Coordinator) and <b>Christophe ARNOULT</b> (NICE GRID Coordinator). A1.5 Beyond AMI: From Smart meters to Advanced Distribution Automation: <b>Aitor Arzuaga, Laura Marrón, Jon García de Salazar (CG Automation)</b>	B1.1 Introduction: Requirements for a market design supporting Smart Energy: Suedeem G Kelly, Former Commissioner, FERC, USA B1.2 Integration of distributed generation into an unbundled market: <b>Christopher Villareal, California PUC</b> B1.3 Demand Response market (NegaWatt) potential in India: <b>Chris Hickman, Innovari Inc</b> B1.4 Model Smart Grid Regulations in India: <b>Vijay Sonavane, Advisor, MERC</b> B1.5 Envisioning a smarter grid policy, regulatory and technical framework: <b>Ujjwal Deep Dahal</b> (Bhutan Power Corporation)
15:30 – 16:00	Tea Break	
16:00-16:30	Presentation on IESS2047 by Mr. Anil Jain, Advisor Energy ,Niti Ayog, Gol	
16:30 – 18:30	<b>Plenary Session – 2: MODI ERA – India’s Big Leap to Modernity?</b> <b>Chair: Arvind Panagariya, Vice Chairman, NITI Ayog</b> <b>1. Jeffery D.Sachs, Director – Earth Institute, Columbia University (on Live Video)</b> <b>2. Elon Musk, Founder, SpaceX, Tesla and Paypal*</b> <b>3. Thomas Picketty, Professor, Paris School of Economics and Author of Capital in The 21<sup>st</sup> Century*</b> <b>4. Robert Lanza, Scientist &amp; Author of Biocentrism*</b>	
18:30 – 20:30	Networking Cocktails	
<b>EVENT DAY 3: 04 March 2015</b>		
<b>Session Time</b>	<b>Session Details</b>	
09:30 – 11:00	<b>Plenary Session – 3: Smart Grid to Smart Cities and Smart Communities</b> <b>Chair: Dr. Sameer Sharma, Joint Secretary, Ministry of Urban Development, Govt of India*</b> <b>- Jesse Berst, Chairman, Smart Cities Council*</b> <b>- Richard Schomberg, EDF</b> <b>- Neil Jacobstein, Co-Chair of Artificial Intelligence &amp; Robotics, Singularity University, USA* (on live video)</b>	





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	<ul style="list-style-type: none"> <li>- Anil Chaudhary, M.D., Schneider Electric India*</li> <li>- Erfan Ibrahim, Founder &amp; CEO, The Bit Bazar LLC</li> <li>- Chandan Chaudhary, M.D., Dassault Systemes India</li> <li>- Prashant Pradhan, IBM</li> <li>- Case Study of Kitakyushu City, Japan – by Alok Chandna, Fuji Electric</li> </ul>	
11:00 – 11:30	Tea Break	
11:30 – 13:00	Track A: Future Electricity Grid Supporting Low Carbon Energy Supply and Energy Security	Track B: Smart Energy – Vision for the Smart Grid Evolving Towards Smart Customers and Smart Cities /Communities
	Session A2: Evolving Integrated Grid with Distributed Generation  <i>Chair: Dr. Upendra Tripathi, Secretary, MNRE*</i>	Session B2: Smart Cities & Smart Homes and other emerging technology trends  <i>Chair: Tom Rowlandsree, Bloomberg New Energy Finance</i>
	A2.1 Introduction: Tools for Forecasting, Scheduling and Dispatch of distributed generation; Renewable Energy Monitoring Centres etc.: <b>Christophe ARNOULT</b> (NICE GRID Coordinator) A2.2 Energy Storage solutions for grid stability: <b>Rahul Walawalkar, IESA</b> A2.3 Renewable Energy Sources & Distributed Generation Resources: <b>Ravi Seethapathy, Smart Grid Canada</b> <ul style="list-style-type: none"> <li>- Challenges to Transmission System Operators</li> <li>- Challenges to Distribution System Operators</li> </ul> A2.4 Characterization and Effectiveness of Technologies for India's Electric Grid Reliability and Energy Security: <b>Girish (Rish) Ghatikar, Ranjit Deshmukh, Rongxin Yin, G. Ganesh Das</b> (LBNL) A2.5 Green Corridor project in India/ PGCIL	B2.1 Challenges and Opportunities in 100 Smart Cities program in India: <b>MoUD Presentation</b> B2.2 Smart Grids as Anchor Infrastructure to build Smart Cities at marginal cost : <b>ISGF Presentation</b> B2.3 Evolution of the Smart Customer in Smart Cities: <b>Rupendra Bhatnagar, SAP</b> B2.4 New Technology Trends: <b>Girish Ghatikar, LBNL</b> B2.5 Case Studies: Barcelona Smart City - <b>Sandeep Pathak, Schneider Electric India &amp; ISGF BoG Member</b>
13.00 - 14.00	Lunch Break	
14.00 - 15.30	Track A: Future Electricity Grid Supporting Low Carbon Energy Supply and Energy Security	Track B: Smart Energy – Vision for the Smart Grid Evolving Towards Smart Customers and Smart Cities /Communities
	Session A3: Smart Distribution - Evolution of the Distribution Grid <i>Chair: Jean Francois Faugeras, VP-EDF</i>	Session B3: Smart Customer <i>Chair: B.N.Sharma, Joint Secretary, Ministry of Power, India</i>



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	<p>A3.1 Increasing the intelligence of the Distribution Grid to integrate distributed generation: <b>Jean Francois Faugeras, VP-EDF</b></p> <p>A3.2 Data Analytics for increased intelligence of Distribution Grid: <b>Jim Connaughton, C3 Energy</b></p> <p>A3.3 Consequences of distributed generation for distribution networks: <b>Laurent Schmitt, Alstom Grid</b></p> <p>A3.4 Smart Micro Grids – Why so relevant for India?: <b>Terry Mohn, General Microgrids, USA</b></p> <p>A3.5 Nanogrids :<b>Dr Ashok Das, SunMoksha Power</b></p> <p>- Select Technical Papers</p>	<p>B3.1 Unlocking the value of Smart Meters with Behavioural Science: <b>Alex Lasky, Founder &amp; Chairman – OPOWER</b></p> <p>B3.2 Effective Customer Engagement for Smart Grid Project Success: <b>Eco Grid EU and Nice Grid</b> project examples: <b>Rémy GARAUDÉ VERDIER (GRID4EU Coordinator)</b> and <b>Christophe ARNOULT (NICE GRID Coordinator)</b>.</p> <p>B3.3 E-mobility and EV infrastructure solutions for India: <b>Prof. Rajit Gadh, SMERC, UCLA</b></p> <p>B3.4 National Electric Mobility Mission in India : Representative of MoHI</p> <p>B3.5 Leveraging Social Media for Consumer Engagement: <b>ISGF Study Paper</b></p>
15:30 – 16:00	Tea Break	
16:00 – 18:00	<p><b>Plenary Session – 4: International Collaboration, Joint Research, Development and Deployment Projects to bring down costs</b></p> <p><b>Chair: Agnese Cecchini, Editorial Director, Groupo Italienergia, Italy</b></p> <ul style="list-style-type: none"> <li>- <b>GSGF: Paddy Turnbull, Chairman</b></li> <li>- <b>IEC: Frans Vreeswijk, General Secretary &amp; CEO</b></li> <li>- <b>ISGAN: Russel L .Conklin</b></li> <li>- <b>NEDO – Hiroshi Kuniyoshi, Executive Director</b></li> <li>- <b>Senior Representative of World Bank*</b></li> <li>- <b>Senior Representative of CIGRE</b></li> </ul>	
18:00 – 18:45	<b>Special Dinner Plenary : Myth and Mytha - Devdutt Pattnaik, Author and Motivational Speaker*</b>	
18:45 – 22.00	Cocktails, Cultural Program & Dinner	

Event DAY 4: 05 March 2015	
Session Time	Session Details
09.30 - 11.00	<p><b>Plenary Session – 5: Emerging Technologies that New India should embrace for the Big Leap!</b></p> <p><b>Chair: R.Chidambaram, Principal Scientific Advisor to Govt of India</b></p> <ol style="list-style-type: none"> <li>1. Amory Lovins, Rocky Mountain Institute – on Live Video</li> <li>2. Janine M.Benyus, President, Biomimicry Institute - on Live Video</li> <li>3. Arun Manjumdar, Stanford University*</li> <li>4. Chris Hickman, Innovari, Inc.</li> </ol>
11:00 – 11:30	Tea Break





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11:30 – 13:00	<b>Technical Session-C: Cross Cutting Themes</b>	<b>Track B: Smart Energy – Vision for the Smart Grid Evolving Towards Smart Customers and Smart Cities /Communities</b>
	<b>Session C1: Standards and Inter-operability</b> <i>Chair: <b>Richard Schomberg</b>, IEC Smart Energy Chairman &amp; Vice President, EDF</i>	<b>Session B4: Smart Grid Communications and Cyber Security</b> <i>Chair: <b>Paul de Martini</b>, Managing Director, New Port Consulting Group, USA</i>
	<p>C1.1 Smart Grids Standardization Roadmap by EU: European Commission – <b>Laurent Schmitt</b>, Alstom Grid &amp; Smart Grid Coordination Group, CEN/CENELEC-ETSI/SGCG</p> <p>C1.2 Smart Grid Architecture supporting Interoperability: <b>Ronald Ambrosio</b>, IBM and Gridwise Architectural Council*</p> <p>C1.3 Smart Grid Standardization Efforts in India: BIS/CEA, India</p> <p>C4.4 World Smart Energy Harmonization: IEC Presentation</p>	<p>B4.1 Communication Solutions and the Digital Architecture for Smart Grids: <b>Simon Pontyn</b>, Itron*</p> <p>B4.2 Communication Standards for Interoperability: <b>Phil Beecher</b>, Wi-SUN Alliance</p> <p>B4.3 Last Mile Connectivity Solutions for Smart Grids and challenges in India: <b>Ajoy Rajani</b>, ISGF</p> <p>B4.4 Cyber Security for Smart Grids : <b>Sachin Burman</b>, Director, NCIIPC, India</p> <p>B4.5 M2M: Convergence of communications, home automations, entertainment and energy: DoT/TEC/ Select Technical Papers</p>
13:00 – 14:00	<b>Lunch Break</b>	
14:00 – 16:00	<b>Track A: Future Electricity Grid Supporting Low Carbon Energy Supply and Energy Security</b>	<b>Track C: Cross-cutting Themes</b>
	<b>Session A4: Smart Metering</b> <i>Chair: <b>Colin McKerracher</b>, Bloomberg New Energy Finance</i>	<b>Session C2: Training and Capacity Building</b> <i>Chair: <b>Sunil Arora</b>, Secretary, Skill Development Ministry, Govt of India*</i>
	<p>A4.1. Rollout challenges - worldwide experiences and lessons: BNEF Presentation</p> <p>A4.2 Global Technology Trends: <b>Eric Dresselhuys</b>, Silver Spring Networks</p> <p>A4.3 India's Smart Metering Market: Rahul Tongia, ISGF</p> <p>A4.4 Smart Metering Case Study: <b>Francesco Marini</b>, Enel, Italy</p> <p>A4.5 Smart metering and challenges in India and options/Roadmap: Sponsoring Organizations/Select Technical Papers</p> <p>A4.6 Beyond AMI: From smart meters to advanced distribution automation: <b>Aitor Arzuaga, Laura Marrón, Jon García de</b></p>	<p>C2.1 Skill Development - the biggest challenge in India: Ministry of Skill Development Presentation</p> <p>C2.2 Capacity Building for Smart Grids and Smart Cities: ISGF Presentation</p> <p>C2.3 Regulatory Capacity Building: CERC/FOR</p> <p>C2.4 NSDCL and Skill Development Centres - NSDCL</p> <p>C2.5: International Examples: USAID/ DoE; MKE/ S.Korea</p>



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	<b>Salazar</b> (CG Automation)	
16:00 – 16:30	<b>Tea Break</b>	
16:30 – 17:30	<b>Closing Ceremony of Conference and Exhibition</b>	

*\* Invited and confirmation awaited*

PARALLEL EVENTS	
Session Time	Session Details
9.30-17:30	<b>Event DAY 1: 02 March 2015;</b> <b>US-India Smart Grid Workshop sponsored by USTDA</b> (Agenda under Finalization)
18.00 - 21.00	<b>Cocktails</b>
9:30 -11:00	<b>Smart Grid Tutorial and Master Classes</b>  1. Introduction to Smart Grids: <b>Rahul Tongia &amp; Pradeep Kumar Yemula</b>  2. Communication Technologies for Smart Grids and Smart Cities – <b>Ajoy Rajani &amp; Kishore Narang</b>
11:30 -13:00	
14:00 -18:00	MASTER CLASSES (Parallel Tracks)  a. IEC 61850 by <b>Christoph Brunner</b> , Chair of IEC Working Group on 61850 in TC-57 b. Cyber Security by <b>Sachin Burman</b> , NCIIPC & <b>Shailendra Fuloria</b> , Eaton/ISGF c. Energy Storage Technologies by <b>Rahul Walawalkar &amp; Ravi Seethapathy</b> , Smart Grids Canada d. Smart Microgrids by <b>Terry Mohn</b> , General Microgrids Inc & <b>Erfan Ibrahim</b> , The Bit Bazar LLC
<b>Event DAY 2: 03 March 2015</b>	
Session Time	Session Details
13:00-16:30	<b>ISGAN Annexe-6 (POWER T&amp;D SYSTEMS) Workshop</b> (detailed agenda under finalization)  Workshop Chair: <b>Bo Normark</b> , ISGAN - Chair Annex 6  Expert Panel:  1. <b>Terry Mohn</b> , General Microgrids Inc & Microgrid Alliance UN 2. <b>Ken Hales</b> , Eskom, South Africa 3. <b>Nick Singh</b> , Eskom, South Africa 4. <b>Anders Lindskog</b> , SP Technical Research Institute of Sweden 5. <b>Rahul Walawalkar</b> , India Energy Storage Alliance  (Participation by invitation only. Please write to: <a href="mailto:c.amritha@indiasmartgrid.org">c.amritha@indiasmartgrid.org</a> )





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14:00 -15:30	<b>Track D: Technical Paper Presentation</b>
	<b>Session D1:</b> <ol style="list-style-type: none"> <li>1. A draft specification for demand response ready appliances in India: <b>Nihar Shah, Girish Ghatikar, Nikit Abhyankar, Amol Phadke (LBNL)</b></li> <li>2. Analysis of adaptive over current protection schemes for active distribution network: <b>Harikrishna M, Sai Sasank K, Dr. Premalata Jena (IIT Roorkee)</b></li> <li>3. Optimal Energy Scheduling for a Smart Home Integrated with Solar PV and Battery Energy Storage: <b>Batchu Rajasekhar, Naran Pindoriya (IIT Gandhinagar)</b></li> <li>4. Customer Engagement through Gamification: <b>Anindya Pradhan, Anindya Kundu, Krishna V Prasad, Sumit Kumar Ray, Narayanan Rajagopal (TCS)</b></li> <li>5. Get smart with Smart Grids: <b>Debasis Mohapatra (PwC)</b></li> <li>6. Communication Backbone for the Smart Grid Infrastructure: <b>Narang N. Kishor (NARNIX)</b></li> </ol>
<b>Event DAY 3: 04 March 2015</b>	
<b>Session Time</b>	<b>Session Details</b>
11:30-15:30	<p>Luncheon session - “<b>Smart Regulations for Smart Grids</b>” for Regulators and Policy Makers</p> <p>Speakers:</p> <ol style="list-style-type: none"> <li>1. <b>Sudeen G.Kelly</b>, Former Commissioner, FERC</li> <li>2. <b>Chris Hickman</b>, President &amp; CEO, Innovari Inc; and Advisor to Secretary of Commerce, USA on Renewable Energy</li> <li>3. <b>Vijay Sonavane</b>, Advisor, MERC</li> <li>4. <b>Paul Feldman</b>, Director (and past Chairman), MISO</li> <li>5. <b>Balawant Joshi</b>, Partner, Edam Infra</li> </ol> <p>Key topics:</p> <ol style="list-style-type: none"> <li>1. Model Smart Grid Frameworks to support positive regulatory change to new technologies.</li> <li>2. Regulatory Examples from around the world to enable the Demand side. A discussion of many different countries and regulations and to see what has worked and what has not worked.</li> <li>3. Market Structures – How are the different markets working? From fully unbundled to vertically integrated, where have electricity grids been able to provide higher levels of reliability while maintaining affordable cost?</li> <li>4. Regulatory implications of amendments proposed in the Electricity Act 2003</li> <li>5. Regulations for Separation of Carriage and Content - Experiences and Recommendations</li> </ol>
11:30-13:00	<b>Track D: Technical Paper Presentation</b>
	<b>Session D2:</b> <ol style="list-style-type: none"> <li>1. Considerations in Standardization for Demand Response Ready Air Conditioners in India: <b>Nihar Shah, Girish Ghatikar, Nikit Abhyankar, Amol Phadke (LBNL)</b></li> <li>2. Smart Metering and Demand Response: <b>Sujay Kumar Saha, Vikas Arora (TPDDL)</b></li> <li>3. Smart Metering Technology: The Evolving Economy of Smart Distribution: <b>Priyamvada Chandel, Tripta Thakur, B.A. Sawale (CPRI Bhubal)</b></li> <li>4. Spotlight on Smart and Strong Electric Power Infrastructure: <b>Susanne Ackeby, Bo Normark (ISGAN Annex 6)</b></li> <li>5. The Grid+ project: connecting smart grid initiatives in the future European electricity grid:</li> </ol>



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	<p><b>Pieter Vingerhoets, Kristof May, Ronnie Belmans, Patrick Turnbull (Energyville, GSGF)</b></p> <p>6. Monitoring and analysis of Oscillations in Southern Regional grid: <b>Sudeep M, T Muthukumar &amp; S. P. Kumar (POSOCO)</b></p>
14:00 -15:30	<b>Track D: Technical Paper Presentation</b>
	<p><b>Session D3:</b></p> <ol style="list-style-type: none"> <li>1. Practical Approach to Predictive Analytics using IoT/Big Data – Asset Fitness Center: <b>VSSN Srinivasa Murthy, B Sivarama Krishnan(Bahwan CyberTek)</b></li> <li>2. Application of PHEVs for smart grid in Indian power sector: <b>Eshwar Pisalkar, Parita Bhojani, Abhijeet Pathade (UPES)</b></li> <li>3. Best Practices in Smart Metering Policy and Implementation: <b>Apoorv Nagpal, Vivek Dhariwal(EVI)</b></li> <li>4. Carefully designed Smart Grid / Metering programs can resolve developing world's unique challenges: <b>Sudhanshu Gupta, Mohit Bhatia(E &amp; Y LLP)</b></li> <li>5. Dynamic Energy Management on Smart Micro Grid: <b>Prasanna Vadana D, Sasi K Kottayil(Amrita University)</b></li> <li>6. Leveraging AMI for Enhanced and Improved OMS: <b>Sandeep Pathak(Schneider)</b></li> </ol>
<b>Event DAY 4: 05 March 2015</b>	
Session Time	Session Details
11:30-15:30	<p>Special Luncheon session and launch of ISGF's <b>Smart Utilities Group (SUG)</b></p> <p>SUG is a voluntary forum for utilities to share their experiences and learn from each other on smarter initiatives and implementation of new technologies. For details write to: (<a href="mailto:c.amritha@indiasmartgrid.org">c.amritha@indiasmartgrid.org</a>)</p> <p><b>Agenda:</b></p> <p>Introduction and launch of SUG</p> <ol style="list-style-type: none"> <li>1. Election of a Chair for SUG</li> <li>2. Finalization of framework for SUG functioning</li> <li>3. Presentation: Electricity Act 2003 Amendment (proposed) – Challenges to Regulators and Utilities</li> <li>4. Presentation: Changes in Business Processes and IT Systems of Discoms with separation of Carriage and Content as envisaged in the Electricity Act 2003 Amendments: <b>Presentation by SAP</b></li> </ol>
11:30-13:00	<b>Track D: Technical Paper Presentation</b>
	<p><b>Session D4:</b></p> <ol style="list-style-type: none"> <li>1. Distribution System - Automation Technologies and its Cyber Security: <b>Vijayan S.R.(ABB)</b></li> <li>2. Energy Access in South Asia: Incubating Innovation in Rural Electrification through Off-grid Solutions: <b>Abhijith Jayanthi(Sonnergie UG, Munich)</b></li> <li>3. Fast Identification of Fault Location with Fault Passage Indicators under Network Reconfiguration: <b>Pradeep Kumar Yemula, Viplav Chaitanya(IIT Hyderabad)</b></li> <li>4. Open Automated Demand Response: Industry Value to Indian Utilities and Knowledge from the Deployment: <b>Rajesh V. Poojary, Girish Ghatikar(LBNL &amp; Honeywell)</b></li> </ol>



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	5. Oracle Utilities Analytics: <b>Balu Ramasamy, Steven Windsor</b> (Oracle Corporation) 6. Power Management of a Hybrid Microgrid: <b>Md. Umar Hashmi, Jayesh G. Priolkar</b> (IIT Bombay, Goa College)
14:00-15:30	<b>Track D: Technical Paper Presentation</b>
	<b>Session D5:</b> <ol style="list-style-type: none"> <li>1. High availability automation network in Digital Substation using PRP and HSR redundancy protocol: <b>Suraj Kumar Pardeshi</b>(CG Global R&amp;D Center)</li> <li>2. An Assessment of a Cost-effective Demand Response Scenario A case study for Jordan: <b>Eg. Mazen alnabulsi, Ibrahim Hasasn</b>(NEPCO)</li> <li>3. Intelligent Connectivity as a Fabric of Smart Cities: <b>Lalitha Suryanarayana, Ashok Tipirneni</b>(Qualcomm Technologies)</li> <li>4. Real-Time Control Of Power Distribution using LT and HT Smart Grid Switches: <b>G.V.Sukumara, Ashwin K. Gonibeed</b>(PRAPATI Chennai &amp; New York)</li> <li>5. Role of Microgrids in India's Smart Grid Framework: <b>Larisa Dobriansky</b>(General MicroGrids (GMI))</li> <li>6. Simulating a Connected Micro-Smart Grid: <b>Himank Shanker, Prof. Amit Garg, Mayank Tibrewala, Shreya Chandra Shekar, Jyoti Maheshwari</b>(IIM Ahmedabad)</li> </ol>
<b>ISGF – TiE - IAN Smart Innovation Hub: 03-04-05 March 2015</b>	
<p>ISGF in collaboration with The Indus Entrepreneurs (TiE) and Indian Angel Network (IAN) is organizing Smart Innovation Hub at ISGW 2015 where start-ups and entrepreneurs can exhibit their technologies/solutions to potential, clients, technology partners, investors and business associates. Smart Innovation Hub will be at the exhibition floor and will be open on 03-04-05 March 2015.</p> <p>For details write to: <a href="mailto:akshay@indiasmartgrid.org">akshay@indiasmartgrid.org</a></p>	







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