

# India MART GRID

International Conference and Exhibition on Smart Grids and Smart Cities

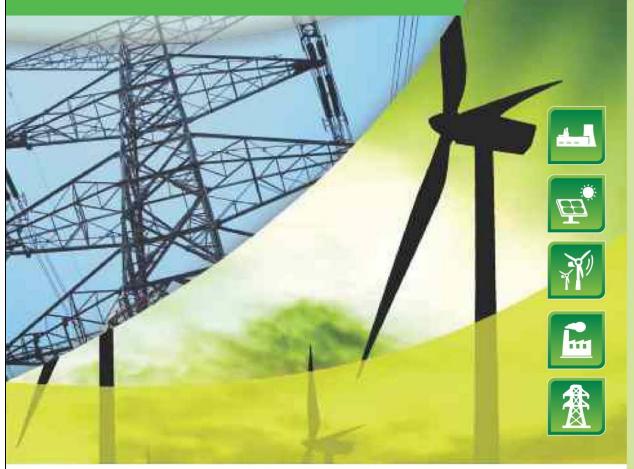
Week 2015

March 02 - 06, 2015

Bangalore International Exhibition Centre Bengaluru, India

www.isgw.in

# **CONFERENCE AGENDA**



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# **AGENDA - 02 March 2015**

9.30-17:30 JW Marriot Bengaluru	US-India Smart Grid Workshop sponsored by USTDA	
08:30 - 09:30	Registration for ISGW 2015 at Bangalore International Exhibition Centre (BIEC)	
9:30 – 18:00 Smart Grid Tutorial & Master Classes: BIEC		
9:30 – 11:00 (GULMOHAR)	Introduction to Smart Grids: Rahul Tongia, Brookings India & Pradeep Kumar Yemula, IIT-H	
11:00 - 11:30	Tea Break	
11:30 - 13:00 (GULMOHAR)	Communication Technologies for Smart Grids and Smart Cities – <b>Ajoy Rajani,</b> Reliance Infra & <b>Kishore Narang,</b> Narnix	
13:00 - 14:00	Lunch Break (Lagoon Area)	
14:00 - 18:00	MASTER CLASSES (Parallel Tracks)	
GULMOHAR	1) IEC 61850 by <b>Christoph Brunner</b> , Chair of IEC Working Group on 61850 in TC-57	
CASSIA	2) Cyber Security by <b>M. Zaki</b> , NCIIPC, <b>N. P. Singh</b> , NCIIPC, <b>Faruk Kazi</b> , VJTI, <b>Hem Thukral</b> , ISGF	
HIBISCUS	3) Energy Storage Technologies by Rahul Walawalkar, IESA & Akshay Ahuja, ISGF	
PARIJATHA	4) Smart Microgrids by <b>Terry Mohn</b> , General Microgrids Inc & <b>C. Amritha</b> , ISGF	
15.30 – 16.00	Tea Break	



# **AGENDA - 03 March 2015**

08:30 - 09:30	Registration for ISGW 2015		
Session Time	Session Details		
09:30 - 11:00	Inaugural Session		
	Welcome Address: Pankaj Kumar Pandey, Managing Director, BESCOM		
	Special Address: Richard Schomberg, Chairman of Technical Committee of ISGW 2015		
	Special Address: Ravi Kumar, Additional Chief Secretary – Energy, Govt of Karnataka		
	Special Address: Sandy Sheard, Counsellor an	nd Head - Energy, Climate & Growth Unit, British High	
	Commission, New Delhi		
GULMOHAR	, , ,		
	Presentation of highlights of the <b>Knowledge I</b> Finance	Paper: Colin McKerracher, Bloomberg New Energy	
	Release of <b>Knowledge Paper</b> on <b>"Smart Grids</b>	in India" by the Chief Guest	
	·	dra Chaudhry, Special Secretary, Ministry of Power	
	,	& ED, Tata Power Delhi Distribution (Host Utility)	
	Vote of Thanks: ISGF		
11:00 - 11:15	Inauguration of Exhibition by Chief Guest (Ha	all: JACARANDA)	
11:15 – 11:30		Tea Break	
11:30 - 13:00	Plenary Session – 1: Smart Grid Projects Upd	ate, Lessons Learnt, Business Models and Key Emerging	
	Trends		
GULMOHAR	Chair: Devendra Chaudhry, Special Secretary	, Ministry of Power	
	A) Developed Counties Perspectives:		
	1. Russell Conklin, US DOE & ISGAN	Tack a decise Heit DC ENERGY Frances Commission	
		ry Technologies Unit, DG ENERGY, European Commission	
	<ul> <li>3. Hiroshi Kuniyoshi, Executive Director, NEDO</li> <li>4. Ja-yoon Koo, Ex-Chairman of Regulatory Commission, South Korea</li> <li>B) Developing Countries Perspectives:</li> <li>1. Henry Steingass, Regional Director for South &amp; South East Asia, USTDA</li> </ul>		
	2. <b>Praveer Sinha,</b> CEO & ED, Tata Power De	elhi Distribution	
	3. Ravi Seethapathy, CIGRE		
13:00 - 14:00		reak (Lagoon Area)	
14:00 - 15.:30	Track A: Future Electricity Grid Supporting	Track B: Smart Energy – Vision for the Smart Grid	
	Low Carbon Energy Supply and Energy	Evolving Towards Smart Customers and Smart Cities	
Track – A in GULMOHAR	Security	/Communities	
	Session A1: Smart Generation and	Session B1: Smart Energy Market Design &	
Track-B in	Integration	Regulatory Support	
CASSIA	Chair: Tarun Kapoor, Joint Secretary, MNRE	Chair: U.K. Panjiar, Chairman, Bihar Electricity	
		Regulatory Commission	
	A1.1 Large-Capacity Renewable Energy	B1.1 Introduction: Requirements for a Market Design	
	Generation and Integration Challenges,	supporting Smart Energy: Suedeen G Kelly,	
	PV Tariff Design and Way-forward:	Partner – Akin Gump & Former Commissioner,	
	Owen R. Zinaman, NREL, USA	FERC	
	A1.2 Distributed Generation:	B1.2 Integration of Distributed Generation Into An	
	M. Rajagopalan, Market Development	Unbundled Market: <b>Christopher Villareal</b> ,	
	Director – Middle East Asia, Wartsila	California PUC	
	India	B1.3 Demand Response market (NegaWatt) potential	
		in India: <b>Christopher Hickman</b> , CEO, Innovari Inc	



	A1.3 Protection and Control of Integrated Smart Generation: Sivakumaran Govindarajan, Hindel Power A1.4: Beyond AMI- From Smart Meters to Advanced Distribution Automation: Aitor Arzuaga, Laura Marron & Jon Garcia de Salazar, CG Automation A1.5: IEC 61850 supporting Distributed Generation and Storage: Christoph Brunner, Chair of IEC Working Group on 61850 in TC-57	B1.4 Model Smart Grid Regulations in India: Vijay Sonavane, Advisor, MERC & Vikas Gaba, KPMG B.1.5 Envisioning Smart Grid Policy, Regulatory and Technical Framework: Ujjwal Deep Dahal, Bhutan Power Corporation B1.6 Role of Microgrids in India's Smart Grid Framework – Regulatory Support: Larisa Dobriansky, General Microgrids
15:30 - 16:00		Tea Break
16:00 - 16:30 CASSIA	Presentation on IESS2047 by <b>Yeshika Malik,</b> Consultant, NITI Ayog, & <b>Akshay Ahuja</b> , ISGF	
16:30 - 18:00	Plenary Session – 2: Brainstorming on Spectrum Requirements for IoT and M2M Communications	
CASSIA	in India Chair: A.K. Mittal, Head – Telecommunication Engineering Centre Panellist: Communication Technology Gurus from several countries	
18:00-18:45	Networking in the Exhibition Floor	
JACARANDA		
18:45 – 21:30	European Union – India Smart Grids Networking Cocktails (Open to All)	
GULMOHAR		

#### PARALLEL EVENTS on 03 March 2015

Session Time	Luncheon Session Details	
13:00 -16:30	ISGAN Annexe-6 (POWER T&D SYSTEMS) Workshop: Microgrids – A system approach for	
	deployment of renewable energy	
FINE DINING	Workshop Chair: Bo Normark, ISGAN - Chair Annex 6	
ROOM, First	Expert Panel:	
Floor of FOOD COURT	1. Terry Mohn, General Microgrids Inc.	
FOOD COOK!	2. Ken Hayles, Eskom, South Africa	
	3. Nick Singh, Eskom, South Africa	
	4. Anders Lindskog, SP Technical Research Institute of Sweden	
	5. Rahul Walawalkar, India Energy Storage Alliance	
14:00 -15:30	Track D: Technical Paper Presentation	
	Session D1: Chair: Faruk Kazi, VJTI	
PARIJATHA	<ol> <li>Secured Information Exchange In Smart Grid: Deepika Barik, Dibyaraj Krishna Behera, NIT, Rourkela</li> </ol>	
	2. Analysis of adaptive over current protection schemes for active distribution network:	
	Harikrishna M, Sai Sasank K, Dr. Premalata Jena, IIT Roorkee	
	3. Optimal Energy Scheduling for a Smart Home Integrated with Solar PV and Battery Energy	
	Storage: Batchu Rajasekhar, Naran Pindoriya, IIT Gandhinagar	
	4. Get smart with Smart Grids: <b>Debasis Mohapatra</b> , PwC	
	5. Innovative Business Models for Smart Grid Deployments: Sudhanshu Gupta, Soumitra	
	Pandey, E&Y	
	6. Communication Backbone for the Smart Grid Infrastructure: Narang Kishor, Narnix	



# **AGENDA - 04 March 2015**

Session Time	Ses	sion Details
09:30 - 11:00	Plenary Session – 3: Smart Grid to Smart Cities and Smart Communities	
	Chair: Raj Vaswani, CTO, Silver Spring Networks	
GULMOHAR	- Richard Schomberg, IEC Smart Energy Chairman & Vice President, EDF	
	- Brian Spear, Managing Director, Trilliant Asia Pacific	
	- Chandan Chaudhary, Managing Director,	Dassault Systemes India
	- <b>Prashant Pradhan</b> , Director, Smarter Plan	
	- <b>Alok Chandna</b> , India, Site Project Leader, I	Fuji Electric - Case Study of Kitakyushu City, Japan
	- <b>N. Venu</b> , Head of Power Division, ABB	
	- R. R. Mehta, CEO, Reliance Infra	
11:00 - 11:30	Т	ea Break
11:30 - 13:00	Track A: Future Electricity Grid Supporting	Track B: Smart Energy – Vision for the Smart Grid
	Low Carbon Energy Supply and Energy	<b>Evolving Towards Smart Customers and Smart</b>
Track – A in	Security	Cities /Communities
GULMOHAR	Session A2: Evaluing Integrated Crid with	Cossion D2: Smout Cities 9 Smout Homes and other
	Session A2: Evolving Integrated Grid with Distributed Generation	Session B2: Smart Cities & Smart Homes and other Emerging Technology Trends
Track-B in CASSIA	Distributed Generation	Chair: Tom Rowlandsree, Bloomberg New Energy
CASSIA	Chair: Varsha Joshi, Joint Secretary, MNRE	Finance
	A2.1 Introduction: Tools for Forecasting,	B2.1 Internet of Things strategies for the Sustainable
	Scheduling and Dispatch of distributed	Smart City - Building an IPv6 Communications
	generation; Renewable Energy	
	Monitoring Centres etc.: <b>Christophe</b>	Canopy for the future: <b>Bjorn Lindblom,</b> CEO,
	ARNOULT (NICE GRID Coordinator)	Connode
	A2.2 Renewable Energy Sources & Distributed	B2.2 Intelligent Connectivity as Fabric of Smart
	Generation Resources - Challenges to	Cities: Lalitha Suryanarayana, Qualcomm
	Transmission System Operators and	Technologies
	Distribution System Operators: <b>Ravi</b>	B2.3 Evolution of the Smart Customer in Smart
	Seethapathy, Smart Grid Canada	Cities: Rupendra Bhatnagar, SAP
	A2.3 Energy Storage solutions for Grid	B2.4 New Technology Trends: Girish Ghatikar, LBNL
	Stability: <b>Rahul Walawalkar</b> , IESA	B2.5 Case Studies: Barcelona Smart City - <b>Sandeep</b>
	A2.4 Smart Grids with WAMS &	Pathak, Schneider Electric India & ISGF BoG
	Synchrophasor Technology: N.S. Sodha,	Member
	Ex-ED, Power Grid	
13.00 - 14.00		eak (Lagoon Area)
14.00 - 15.30	Track A: Future Electricity Grid Supporting	Track B: Smart Energy – Vision for the Smart Grid
200	Low Carbon Energy Supply and Energy	Evolving Towards Smart Customers and Smart Cities
Track – A in	Security	/ Communities
CASSIA		-
	Session A3: Smart Distribution - Evolution	Session B3: Smart Customer
Track-B in	of the Distribution Grid	Chair: B.N. Sharma, Joint Secretary, Ministry of
GULMOHAR	Chair: Jean Francois Faugeras, VP-EDF	Power, India



	A3.1 Increasing the intelligence of the	B3.1 Don't Leave Your Customers Behind - Learn How
	Distribution Grid to integrate	to Unlock Smart Meter Value for Consumers:
	distributed generation: Jean Francois	Adam Welsh, OPOWER
	Faugeras, VP-EDF A3.2 Data Analytics for increased	B3.2 E-mobility and EV infrastructure solutions for India: <b>Rajit Gadh</b> , SMERC, UCLA
	intelligence of Distribution Grid: Jim Connaughton, C3 Energy  A3.3 Consequences of distributed generation for distribution networks: Laurent Schmitt, Alstom Grid  A3.4 Smart Micro Grids – Why so relevant for India?: Terry Mohn, General Microgrids, USA	<ul> <li>B3.3 Empowering the Smart Consumer: Shiv Kaushik, Cyan Technologies</li> <li>B.3.4 Smart Metering with TVWS &amp; Cloud: Prashant Shukla, National Technology Officer, Microsoft India</li> <li>B3.5 Customer Engagement through Gamification: Anindya Pradhan, Krishna Prasad etal, TCS</li> </ul>
	A3.5 Nanogrids: <b>Ashok Das</b> , SunMoksha	
	Power	
15:30 - 16:00		Tea Break
16:00 - 18:00	Plenary Session – 4: International Collaboration, Joint Research, Development and Deployment	
	Projects to bring down costs	
GULMOHAR	Chair: Agnese Cecchini, Editorial Director, Groupo Italienergia, Italy	
	- IEC: Frans Vreeswijk, General Secretary & CEO	
	- ISGAN: Russel L .Conklin	
	- NEDO: Hiroshi Kuniyoshi, Executive Dire	ctor
	- GSGF: <b>Paddy Turnbull</b> , Chairman (on Vid	leo)
	- CIGRE: Ravi Seethapathy	
	- Financing of Smart Grid Projects: Lee Bu	rrows, Managing Director, Vantage Point
18:00 –18:15	Screening of Documentary film by Ene	ergy Department of Odisha "Battling in Darkness"
GULMOHAR		
18:15 – 19:00	Networking B	reak and Exhibition Visit
JACARANDA		
19:00 - 22.00	Cocktails, Cultural Program & Dinner	
LAGOON AREA		

#### PARALLEL EVENTS on 04 March, 2015

Session Time	Session Details	
11:30-15:30	Luncheon session - "Smart Regulations for Smart Grids" for Regulators and Policy Makers	
FINE DINING ROOM	Inauguration by Hon'ble Minister of Energy, Govt of Karnataka, Sh. D. K. Shivakumar  Speakers and Topics:	
First Floor of	1. Model Smart Grid Frameworks to support positive regulatory change to new technologies:	
FOOD COURT	Suedeen G.Kelly, Partner – Akin Gump & Former Commissioner, FERC	
	<ol> <li>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: Christopher Hickman, CEO, Innovari Inc</li> </ol>	
	<ol> <li>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?: Paul Feldman, Director (and past Chairman), MISO</li> </ol>	



	<ol> <li>Regulatory implications of amendments proposed in the Electricity Act 2003: Vijay Sonavane, Advisor, MERC</li> </ol>
	5. Regulations for Separation of Carriage and Content - Experiences and Recommendations:
	Balawant Joshi, Managing Director, Edam Infra
	6. How the market views utility investments in Smart Grid?: Lee Burrows, Managing Director,
	Vantage Point
11:30-13:00	Track D: Technical Paper Presentation
	Session D2: Ganesh Das, Tata Power Delhi Distribution
PARIJATHA	Considerations in Standardization for Demand Response Ready Air Conditioners in India:
	Nihar Shah, Girish Ghatikar, Nikit Abhyankar, Amol Phadke, LBNL
	2. Smart Metering and Demand Response: <b>Sujay Kumar Saha, Vikas Arora,</b> TPDDL
	3. Smart Metering Technology: The Evolving Economy of Smart Distribution: <b>Priyamvada</b>
	Chandel, Tripta Thakur, B.A. Sawale, CPRI Bhopal
	4. Study of DC Microgrid Accompanying with Renewable Energy Sources for Rural Application:
	Tathagata Sarkar, Tathagata Sarkar, Hiranmay Saha & Konika Das Bhattacharya, IIEST
	Shibpur
	5. The Grid+ project: connecting smart grid initiatives in the future European electricity grid:
	Pieter Vingerhoets & Kristof May, Energyville; Ronnie Belmans & Patrick Turnbull, GSGF
	6. Monitoring and analysis of Oscillations in Southern Regional grid: <b>Sudeep M, T Muthukumar</b>
	<ol> <li>Monitoring and analysis of Oscillations in Southern Regional grid: Sudeep M, T Muthukumar</li> <li>&amp; S. P. Kumar, POSOCO</li> </ol>
14:00 -15:30	& S. P. Kumar, POSOCO
14:00 -15:30	& S. P. Kumar, POSOCO  Track D: Technical Paper Presentation
	& S. P. Kumar, POSOCO  Track D: Technical Paper Presentation  Session D3: V.Shivakumar, CPRI
14:00 -15:30 PARIJATHA	& S. P. Kumar, POSOCO  Track D: Technical Paper Presentation  Session D3: V.Shivakumar, CPRI  1. Practical Approach to Predictive Analytics using IoT/Big Data — Asset Fitness Center: VSSN
	& S. P. Kumar, POSOCO  Track D: Technical Paper Presentation  Session D3: V.Shivakumar, CPRI  1. Practical Approach to Predictive Analytics using IoT/Big Data — Asset Fitness Center: VSSN Srinivasa Murthy, B Sivarama Krishnan, Bahwan CyberTek
	& S. P. Kumar, POSOCO  Track D: Technical Paper Presentation  Session D3: V.Shivakumar, CPRI  1. Practical Approach to Predictive Analytics using IoT/Big Data — Asset Fitness Center: VSSN Srinivasa Murthy, B Sivarama Krishnan, Bahwan CyberTek  2. Application of PHEVs for smart grid in Indian power sector: Eshwar Pisalkar, Parita Bhojani,
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	**S. P. Kumar, POSOCO  Track D: Technical Paper Presentation  Session D3: V.Shivakumar, CPRI  1. Practical Approach to Predictive Analytics using IoT/Big Data — Asset Fitness Center: VSSN Srinivasa Murthy, B Sivarama Krishnan, Bahwan CyberTek  2. Application of PHEVs for smart grid in Indian power sector: Eshwar Pisalkar, Parita Bhojani, Abhijeet Pathade, UPES  3. Best Practices in Smart Metering Policy and Implementation: Apoorv Nagpal, Vivek Dhariwal, EVI  4. Carefully designed Smart Grid / Metering programs can resolve developing world's unique
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	Track D: Technical Paper Presentation  Session D3: V.Shivakumar, CPRI  1. Practical Approach to Predictive Analytics using IoT/Big Data – Asset Fitness Center: VSSN Srinivasa Murthy, B Sivarama Krishnan, Bahwan CyberTek  2. Application of PHEVs for smart grid in Indian power sector: Eshwar Pisalkar, Parita Bhojani, Abhijeet Pathade, UPES  3. Best Practices in Smart Metering Policy and Implementation: Apoorv Nagpal, Vivek Dhariwal, EVI  4. Carefully designed Smart Grid / Metering programs can resolve developing world's unique challenges: Sudhanshu Gupta, Soumitra Pandey, E&Y  5. Dynamic Energy Management on Smart Micro Grid: Prasanna Vadana D, Sasi K Kottayil,



# **AGENDA - 05 March 2015**

Session Time	Sess	ion Details
9:30 - 11:00	Plenary Session – 5: Emerging Technologies that New India should embrace for the Big Leap!	
	Chair: Rahul Tongia, Advisor to ISGF and Non-R	lesident Fellow, Brookings India
GULMOHAR	HAR 1. Amory Lovins, Rocky Mountain Institute (on Video)	
	2. <b>Chris Hickman,</b> Innovari, Inc.	
	3. <b>Hiroshi Ishiguro,</b> Director of Intelligent	Robotics Laboratory, Osaka University (on Video)
	4. Raj Vaswani, CTO, Silver Spring Networ	rks
11:00 – 11:30	To	ea Break
11:30 – 13:00	Technical Session-C: Cross Cutting Themes	Track B: Smart Energy – Vision for the Smart Grid
		Evolving Towards Smart Customers and Smart
		Cities /Communities
Track – C in	Session C1: Standards and Inter-operability	Session B4: Smart Grid Communications and Cyber
GULMOHAR	Chair: Richard Schomberg, IEC Smart Energy	Security
Total Dis	Chairman & Vice President, EDF	Chair: Paul de Martini, Managing Director, New
Track - B in CASSIA		Port Consulting Group, USA
CASSIA	C1.1Smart Grids Standardization Roadmap by	B4.1 Communication Standards for Interoperability:
	EU: European Commission – Laurent Schmitt,	Phil Beecher, Wi-SUN Alliance
	Alstom Grid & Smart Grid Coordination	B4.2 Last Mile Connectivity Solutions for Smart
	Group, CEN/CENELEC-ETSI/ SGCG	Grids and challenges in India: <b>Ajoy Rajani</b> , Reliance
	C1.2 Smart Grid Architecture supporting	Infra
	Interoperability: <b>Erfan Ibrahim</b> , The Bit Bazar	B4.3 Cyber Security for Smart Grids : <b>Sachin</b>
	LLC (on Video)	Burman, Director, NCIIPC, India
	C1.3 Smart Grid Standardization Efforts in	B4.4: Distribution System – Automation
	India: <b>D.Goswamy</b> , BIS	Technologies and its Cyber Security: Vijayan S.R.,
	C1.4 World Smart Energy Harmonization:	ABB
	Richard Schomberg, IEC	B.4.5 Cyber Security for emerging Technologies &
	C1.5 National Standards for Power Quality:	Smart Utilities: Manish Tiwari, Chief Information &
	Sujeet Mishra, RDSO, Indian Railways	Security Officer, Microsoft India
13:00 - 14:00	Lunch Bre	ak (Lagoon Area)
14:00 - 16:00	Track A:Future Electricity Grid Supporting	Track C: Cross-cutting Themes
	Low Carbon Energy Supply and Energy	
	Security	
Track – A in	Session A4: Smart Metering	Session C2: Smart Grid Projects – Case Studies
GULMOHAR	Chair: Colin McKerracher, Bloomberg New	Chair: Girish Ghatikar, LBNL
	Energy Finance	
Track- C in	A4.1 Rollout challenges - worldwide	C2.1 Large Scale EU Demonstration for Integration
CASSIA	experiences and lessons: BNEF	of Renewable and Smart (or grid) automation:
	Presentation	Christophe ARNOULT, NICE GRID Coordinator
	A4.2 Global Technology Trends: Eric	C2.2 Spotlight on Smart and Strong Electric Power
	<b>Dresselhuys,</b> Silver Spring Networks	Infrastructure: Bo Normak, Susanne Ackeby,
	A4.3 India's Smart Metering Market: <b>Rahul</b>	ISGAN
	Tongia, ISGF	C.2.3 Characterization and Effectiveness of
	A4.4 Smart Metering Case Study: Francesco	Technologies for India's Electric Grid Reliability
	Marini, Enel, Italy	and Energy Security: Girish Ghatikar, Ranjit
		Deshmukh, Rongxin Yin, LBNL & Ganesh Das,
		Tata Power Delhi Distribution
		Tata i ower beim bistribution



	A4.5 Unlocking the value of Smart Meters with Behavioural Science: <b>Adam Welsh</b> , OPOWER	C2.4 Effective Customer Engagement for Smart Grid Project Success: Eco Grid EU and Nice Grid project examples: <b>Rémy GARAUDE VERDIER</b> , GRID4EU Coordinator
16:00 - 16:30	Tea Break	
16:30 – 17:30	Closing Ceremony of Conference and Exhibition	
GULMOHAR	Chair: N. Murugesan, DG, CPRI	
	Panellists: Session Chairs	

#### PARALLEL EVENTS on 05 March, 2015

Session Time	Session Details
11:30-15:30	Special Luncheon session and launch of ISGF's Smart Utilities Group (SUG)
FINE DINING ROOM First Floor of FOOD	SUG is a voluntary forum for utilities to share their experiences and learn from each other on smarter initiatives and implementation of new technologies.
COURT	Agenda: Introduction and launch of SUG
	Election of a Chair for SUG
	2. Finalization of framework for SUG functioning
	3. Electricity Act 2003 Amendment (proposed) – Challenges to Regulators and Utilities:
	Vijay Sonavane, Advisor, MERC
	4. ISGF Presentation: Changes in Business Processes and IT Systems of Discoms with
	separation of Carriage and Content as envisaged in the Electricity Act 2003
	Amendments: Rupendra Bhatnagar, General Secretary, ISGF
11:30-13:00	Track D: Technical Paper Presentation
	Session D4: Md.Umar Hashmi, IIT-B
PARIJATHA	1. Energy Access in South Asia: Incubating Innovation in Rural Electrification through
	Off-grid Solutions: Abhijith Jayanthi, Sonnergie UG, Munich
	2. Fast Identification of Fault Location with Fault Passage Indicators under Network
	Reconfiguration: Pradeep Kumar Yemula, Viplav Chaitanya, IIT Hydrabad
	3. Open Automated Demand Response: Industry Value to Indian Utilities and Knowledge
	from the Deployment: <b>Rajesh V. Poojary</b> (Honeywell), <b>Girish Ghatikar</b> (LBNL), <b>Ganesh</b>
	Das (TPDDL)
	4. Power Management of a Hybrid Microgrid: Md. Umar Hashmi (IIT-B), Jayesh G.
44.00.45.30	Priolkar, (Goa University)
14:00-15:30	Track D: Technical Paper Presentation
DADIIATIIA	Session D5: Narang Kishore, Narnix
PARIJATHA	<ol> <li>High availability automation network in Digital Substation using PRP and HSR redundancy protocol: Suraj Kumar Pardeshi (CG Global R&amp;D Center)</li> </ol>
	2. An Assessment of a Cost-effective Demand Response Scenario A case study for
	Jordan: Eg. Mazen alnabulsi, Ibrahim Hasasn(NEPCO)
	3. Real-Time Control Of Power Distribution using LT and HT Smart Grid Switches:
	G.V.Sukumara, Ashwin K. Gonibeed(PRAPATI Chennai & New York)
	4. Simulating a Connected Micro-Smart Grid: Himank Shanker, Amit Garg, Mayank
	Tibrewala, Shreya Chandra Shekar, Jyoti Maheshwari(IIM Ahmedabad)
	5. Estimation of Potential and Value of Demand Response for Industrial and Commercial
	Consumers in Delhi: Ranjit Deshmukh, Rongxin Yin, G. Ghatikar(LBNL)
	6. Automating LV Distribution Networks using sensor technologies: Jayant Sinha(ENZEN
	GLOBAL)



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