

**CIGRE Tutorials & Colloquium on SMART GRID
at Infosys Campus, Mysore, Karnataka, India
on 13 - 16 November, 2013**

COLLOQUIUM- PROGRAMME

14th Nov. 2013																					
0900 – 0945 hrs	REGISTRATION																				
0945 – 1100 hrs.	<p>INAUGURAL SESSION</p> <p>09:50-09:55 Lighting of Lamp 09:55-10:05 Welcome Mr. N.S. Sodha, Chairman, CIGRE National Study Committee -D2 on Information & Telecommunication and Executive Director, POWERGRID Address by</p> <p>10:05-10:15 Address by Mr. Carlos Samitier, Chairman CIGRE SC D2 10:15-10:25 Address by Mr. N. Murugesan, Director General, Central Power Research Institute, Bangalore 10:25-10:35 Address by Mr. V. Balakrishnan, Head of Infosys BPO, Finacle, and India Business Unit 10:35-10:50 Address by Mr. M.R. Sreenivasa Murthy, Chairman, Karnataka Electricity Regulatory Commission Chief Guest 10:50-10:55 Presentation of Mementos 10:55-11:00 Vote of Thanks Mr. V.K. Kanjlia, Secretary CIGRE India, Secretary, CBIP</p>																				
1100 – 1130 hrs.	TEA BREAK																				
1130 – 1300 hrs	<p>Session 1 : PS 1 – Role of ICT in Power System</p> <table border="1"> <tr> <td>Chairman Mr. Monti Maurizio, Secretary, CIGRE Study Committee D2</td> <td>Co-Chairman Mr. N.S. Sodha, Chairman, CIGRE National Study Committee D2 & Executive Director, POWERGRID</td> </tr> <tr> <td>D2-01_01</td> <td>Communication System for Smart Transmission - Sh. N.S. Sodha PGCIL, India</td> </tr> <tr> <td>D2-01_02</td> <td>Challenges and Benefits of a Unified Synchronism Network CASE CHESF - Rodrigo Leal de Siqueira, Brazil</td> </tr> <tr> <td>D2-01_04</td> <td>Smart, utility-grade Wi-Fi Mesh for Distribution Grids - Paul Schwyter, Switzerland</td> </tr> <tr> <td>D2-01_07</td> <td>Architecting a packet-based Wide Area Network to support current, developing, and future the utility use cases and applications - R. Irons Mclean, UK</td> </tr> <tr> <td>D2-01_08</td> <td>Approaches to Smart Grid Communications Networks in Japanese Electric Power Companies - Naomasa Takahashi, Japan</td> </tr> <tr> <td>D2-01_10</td> <td>The role of communication systems for smart transmission - Srinivas Patkar, ABB Ltd., India</td> </tr> <tr> <td>D2-01_12</td> <td>Disaster resilient telecommunications systems for smart grid in Japan - Atsushi Ohara, Japan</td> </tr> <tr> <td>D2-01_14</td> <td>Last mile connectivity challenges in Smart Grid - Chander B Goel, India</td> </tr> <tr> <td>D2-01_15</td> <td>Development of a Home Energy Management System based on the measurement and control of electricity consumption of home appliances - Roberto Castán, Mexico</td> </tr> </table>	Chairman Mr. Monti Maurizio, Secretary, CIGRE Study Committee D2	Co-Chairman Mr. N.S. Sodha, Chairman, CIGRE National Study Committee D2 & Executive Director, POWERGRID	D2-01_01	Communication System for Smart Transmission - Sh. N.S. Sodha PGCIL, India	D2-01_02	Challenges and Benefits of a Unified Synchronism Network CASE CHESF - Rodrigo Leal de Siqueira, Brazil	D2-01_04	Smart, utility-grade Wi-Fi Mesh for Distribution Grids - Paul Schwyter, Switzerland	D2-01_07	Architecting a packet-based Wide Area Network to support current, developing, and future the utility use cases and applications - R. Irons Mclean, UK	D2-01_08	Approaches to Smart Grid Communications Networks in Japanese Electric Power Companies - Naomasa Takahashi, Japan	D2-01_10	The role of communication systems for smart transmission - Srinivas Patkar, ABB Ltd., India	D2-01_12	Disaster resilient telecommunications systems for smart grid in Japan - Atsushi Ohara, Japan	D2-01_14	Last mile connectivity challenges in Smart Grid - Chander B Goel, India	D2-01_15	Development of a Home Energy Management System based on the measurement and control of electricity consumption of home appliances - Roberto Castán, Mexico
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1545 - 1800 hrs.	Session 3 : PS 1 – Role of ICT in Power System	
	Chairman Mr. Monti Maurizio, Secretary, CIGRE Study Committee D2	Co-Chairman Mr. Reji Kumar, President, ISGF, CIGRE India
	D2-01_27	Role of ICT in Power system - Sachin Agarwal, MERC India
	D2-01_28	Role of ICT in Power system - Kishor G. Chavan, MERC India
	D2-01_29	Role of ICT in power system - Harsh Sharma, Reliance Ltd. India – Not Presented
	D2-01_30	Alarms rationalization in Mexico power units - Octavio Gomez, Mexico
	D2-01_31	Synchrophasor: Implementation, Testing and Operational Experience- Uttam Mishra, Doble Co. Ltd. India
	D2-01_33	Out-of-step detection using Wide Area Measurements - Srinu babu. BBD University Matta India
	D2-01_34	A Smart Grid Application for Dynamic Reactive Power Management - G. Vamsi Krishna Kartheek India
D2-01_37	WAN Network Communications Architectures for Smartgrids: Case Studies comparison - Arzuaga, Aitor, Spain	

15th Nov. 2013

0930 - 1130 hrs.	Session 4 : PS2 – Standards, Security and Leading edge Technologies in the Context of Power Systems	
	Chairperson Ms. Bindoo Srivastava, Infosys, Special Reporter for Preferential Subject - 2	Co-Chairman Mr. Evans Robert, Snowy Hydro, Australia
	D2-02_01	Future control centre with advent of smartgrid – N.S. Soda, PGCIL India
	D2-02_03	Achieving redundancy using configuration exchange through GOOSE communication in Substation - Ravishankar Y A, ABB Ltd. India
	D2-02_04	Building an Interoperable Grid with Industry-Standard IPv6 Architecture - P. Pereira, Portugal
	D2-02_07	Real Time Energy Management in Smart Grid - Sunil Kumar Vuppala, IIT Bombay India
	D2-02_08	Cyber Security in implementing in modern grid Automation system - S.R. Vijayan, ABB Ltd. India
	D2-02_09	Construction of Next-generation Security Infrastructure to Cope with New Types of Cyber Attacks - Takehiro Sueta, Japan

1130 -1145hrs

TEA BREAK

1145 - 1330 hrs	Session 5 : PS2 – Standards, Security and Leading edge Technologies in the Context of Power Systems	
	Chairperson Ms. Bindoo Srivastava, Infosys, Special Reporter for Preferential Subject - 2	Co-Chairman Mr. Robert Evans, Snowy Hydro Limited, Australia
	D2-02_11	Application of a cyber security assessment framework to smart grid ICT architectures - Giovanna Dondossola, Italy
	D2-02_12	Comprehensive Cybersecurity strategy for Smartgrid equipment manufacturers - Miguel Angel Álvarez, Spain
	D2-02_14	Preventive simulation studies based on single-phase test of 750kV Magnetic Controllable Reactor - Qu Tong, China
	D2-02_15	Research on Periodic Oscillation Test Equipment for TCR Thyristor Valves - Liu Bu Feng, China
	D2-02_16	On line/Automatic and manual applications of infrared thermography in electrical sector - T.P.Singh, India
	D2-02_17	Cyber Security – Secure communication design for protection and control IEDs in substations - Sukumara T., India
	D2-02_18	Is the stationary lithium-ion battery a good choice for the Telecommunications in an Electric Power Utility? - Alexandre Pinhel Soares, Brazil

1330 - 1415 hrs.

LUNCH BREAK

1415 - 1500 hrs.	Session 6 : PS 3 – Renewable Generation plant communications	
	Chairman Mr. Lhousain Lhassani, Netherland	Co-Chairman
	D2-03_01	Renewable Generation Plant Communications - Siddharth Baburao Rokade, India
	D2-03_03	The application of teleprotection systems in cogeneration plants - Fernando Castro, Spain
	D2-03_04	Renewable Generation Plant communication - Anant D. Sant, MERC, India
	D2-03_05	Development of Photovoltaic Power Generation Facility Monitoring System for Decentralized Power Plant Operators - Kazumi Inoue, Japan
	D2-03_06	Communication Architectures to Connect Renewable Energy Resources in the Residential Area - Jeongjoon Lee, South Korea
	D2-03_09	Renewable Generation – Tariff mechanism for enabling DSM and DR at consumer level – N.S. Sodha PGCIL, India

1500 - 1600 hrs.

Concluding Session

1600 - 1700 hrs.

TEA BREAK

16th Nov. 2013

1000 hrs

Technical cum Touristic visit followed by Lunch