

Published Technical Papers – India Smart Grid Week (ISGW) 2017

Paper Number	Paper Title	Author/s	Organization Name
1	Smart Microgrids: Revisioning Smart Grid and Smart City Development	Dan Ton, Larisa Dobriansky, Girish Ghatikar	United States Department of Energy
2	Integrating Energy Efficiency with Renewables and Energy Storage to Propose a Smarter City Mission Using Near Zero Energy Buildings	Dr. Satish Kumar, Smita Chandiwala, Aalok Deshmukh, Vaibhav Khare, Manish Pant	Alliance for an Energy Efficient Economy, Energy Se, Schneider Electric India Pvt. Ltd
4	Smart Grid Technologies – Distribution Automation, Microgrids and Cyber Security	Vijayan SR	ABB India Ltd.
4	Efficiency gain using DC micro grid and BLDC machine based refrigerator and air cooler	Sriram Narayanamurthy; Pradheep Ganesan; Dr. Ashok Jhunjhunwala; Dr. Prabhjot Kaur	IIT-MADRAS
5	Developing SMARTGRID Projects With Global Perspective In Indian Scenario	Amit R. Kulkarni, Shrikant S Rajurkar	MAHATRANSCO
6	Applicability of Error Limit in Forecasting & Scheduling of Wind and Solar Power in India	Abhik Kumar Das	del2infinity Energy Consulting
7	Solar agricultural pump without electric motor	G V Sukumara, VIJAY L.	PRAPATI / Maharashtra State Electricity Board
8	Software Defined Networking for Smart Grid Communications Security and Challenges	Shaileshwari M U, Nandini Prasad K S, A Paventhan	CPRI
9	Smart Energy Metering Using LPWAN IoT Technology	Shobhit Jain, M. Pradish, A. Paventhan, M. Saravanan and Arindam Das	

10	Impact Analysis of Attacks Using Agent-Based SCADA Testbed	Siddharth Rao, Rajesh Kalluri, R. K. Senthil Kumar, G. L. Ganga Prasad and B. S. Bindhumadhava	
11	Power Exchange and Its Significance to Enhance the Deployment of Smart Microgrids in India and Key Barriers in Its Adoption .	Furkan Ahmad, Mohammad Saad Alam, Reena Suri, Akhilesh Awasthy and M. Shahidehpour	
12	Improve Distribution Quality and Reduce Distribution Losses Substantially	G. V. Sukumara and Vijay L. Sonavane	
13	Micro-phasor Measurement Units (IPMUs) and Its Applications in Smart Distribution Systems	Alok Jain and Suman Bhullar	
14	A Rule-Driven Architecture to Address Interoperability in an IEC 61850 Series-Based Power Utility Automation System	Mayank Sharma and Thomas Rudolph	
15	Digital Utility	Deepak Chaudhary	
16	Analysis of Communication Channel Attacks on Control Systems—SCADA in Power Sector	Rajesh Kalluri, Lagineni Mahendra, R. K. Senthil Kumar, G. L. Ganga Prasad and B. S. Bindhumadhava	
17	Plug and Operate Power and Distribution Transformer Technology	Deepal Shah	
18	Public Opinion on Viability of XEVs in India	Mohd. Saqib, Md. Muzakkir Hussain, Mohammad Saad Alam, M. M. Sufyan Beg and Amol Sawant	
19	Technical and Economic Feasibility Analysis for deployment of xEV Wireless Charging Infrastructure in India	Vatsala, Raqib Hasan Khan, Yash Varshney, Aqueel Ahmad, Mohammad Saad Alam and Rakan C. Chaban	
20	Viability of xEVs in India: A Public Opinion Survey	Mohammad Asaad, Prashant Shrivastava, Mohammad Saad Alam, Yasser Rafat and Reji Kumar Pillai	

21	Thermal Management Solutions of Lithium-Ion Energy Storage Batteries for xEV Deployment in North India	Mohd Yaqzan, Yasser Rafat, Sheikh Abdullah and Mohammad Saad Alam	
22	Electric Vehicle Charging Infrastructure in India: Viability Analysis	Wajahat Khan, Furkan Ahmad, Aqueel Ahmad, Mohammad Saad Alam and Akshay Ahuja	
23	Challenges in Implementation of Virtual Synchronous Generator	Ganesh N. Jadhav, Sadik J. Shaikh and Omkar N. Buwa	
24	Smart Solutions and Opportunities for Key Challenges in Renewables Integration and Electric Vehicles Integration to a Conventional Grid	Goutham Yelmannchli	