

Selected Technical Papers for Presentation and Publication – India Smart Grid Week (ISGW) 2017

Technical Papers selected for Presentation at ISUW 2017

Sl. No	Author/s	Organization	Paper Title
1	Deepak Bhise, Shekhar Khadilkar	The Tata Power Company Limited	Demand Flexibility Initiatives: Tata Power-Mumbai Experience
2	Saad Alam; M.M.S Beg; Mohd. Saqib; M. M Hussain; A Sawant	AMU	xEVs Charging Management through Cloud Computing
3	Surekha Deshmukh, Mr. Mahindra Diwakar, Mr. Himanshu Sharma	PVG's COET, SPPU	Development of Demonstrative Context – Awareness System for Load Demand Analytics in Pune's Smart Grid
4	Wajahat Khan; Mohammad Saad Alam; Akshay Ahuja	AMU	Feasibility Analysis of Charging Infrastructure for Plug-in Electric Vehicles in India
5	Sandeep Pathak	SCHNEIDER ELECTRIC	Decentralized self healing solution for Distribution Grid -Automation : A step ahead for Utilities towards performance improvement
6	Jaidev	Solvina India Pvt. Ltd	Learning from two smart grid projects by Advance Online Power Quality Monitoring
7	Jay Johnson	Sandia National Laboratories	Design and Evaluation of SunSpec-Compliant Smart Grid Controller with an Automated Hardware-in-the-Loop Testbed
8	Daniel Lai	<i>Moxa Inc.</i>	Predictive maintenance strategy to ensure high availability of substation management system
9	Dan Ton, Larisa Dobriansky, Girish Ghatikar	United States Department of Energy	Smart Microgrids: Revisioning Smart Grid and Smart City Development
10	Dr. Satish Kumar, Smita Chandiwala, Aalok Deshmukh, Vaibhav Khare, Manish Pant	Alliance for an Energy Efficient Economy, Energy Se, Schneider Electric India Pvt. Ltd	Integrating Energy Efficiency with Renewables and Energy Storage to Propose a Smarter City Mission Using Near Zero Energy Buildings
11	Steve Brooks, Mark Reiner, Probir Ghosh	CASE-Bharat	Incorporating Resilient Framework to India's Smart Cities
12	Vijayan SR	ABB India Ltd.	Smart Grid Technologies – Distribution Automation, Microgrids and Cyber Security
13	Sriram Narayanamurthy; Pradheep Ganesan; Dr. Ashok Jhunjhunwala; Dr. Prabhjot Kaur	IIT-MADRAS	Efficiency gain using DC micro grid and BLDC machine based refrigerator and air cooler
14	Firoz Havaladar, Chintamani Chitnis, R Pillai	The Tata Power Company Ltd	Condition Monitoring of Natural Ester Retro filled Transformers
15	Mr. Anjan Mitra, Mr. Nirvik Biswas	CESC Limited	Vegetation management using fusion of gis map & google satellite image

16	Amit R. Kulkarni, Shrikant S Rajurkar	MAHATRANSCO	Developing SMARTGRID Projects With Global Perspective In Indian Scenario
17	Helfried Brunner; Luciano Martini;	Austrian Institute of Technology; Ricerca sul Sistema Energetico	An European Integrated Research Program on Smart Grids and the ELECTRA Web-Of-Cells Concept
18	Abhik Kumar Das	del2infinity Energy Consulting	Applicability of Error Limit in Forecasting & Scheduling of Wind and Solar Power in India
19	G V Sukumara,VIJAY L.	PRAPATI / Maharashtra State Electricity Board	Solar agricultural pump without electric motor
20	Amit Kumar	GICSP	Cybersecurity for Energy Delivery Infrastructure–A Practical Perspective
21	Aamir Hussain Khan; Ms Satya Gupta	Tata Power Delhi Distribution Ltd.	Cyber Physical Security of the Critical Infrastructure
22	Shaileshwari M U, Nandini Prasad K S,A Paventhan	CPRI	Software Defined Networking for Smart Grid Communications Security and Challenges
23	Prabhjot Kaur, Ashok Jhunjhunwala	Telecom Centre of Excellence, IIT Madras	Preparing for high-mix of renewables in India's power generation
24	Rajesh Kalluri, M. Siddarth Rao, G.L.Ganga Prasad, R.K.Senthil Kumar	Centre for Development of Advanced Computing (C-DAC)	Impact Analysis of Attacks Using Agent based SCADA Testbed

Technical Papers Selected for Publication in Springer Journal 2017

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4	Feasibility Analysis of Charging Infrastructure for Plug-in Electric Vehicles in India	Wajahat Khan; Mohammad Saad Alam; Akshay Ahuja	AMU

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8	Predictive maintenance strategy to ensure high availability of substation	Daniel Lai	Moxa Inc.
9	management system	Dan Ton,Larisa Dobriansky,Girish Ghatikar	United States Department of Energy
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11	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
12	Incorporating Resilient Framework to India's Smart Cities	Steve Brooks, Mark Reiner, Probir Ghosh	CASE-Bharat
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16	Vegetation management using fusion of gis map & google satellite image	Mr. Anjan Mitra, Mr. Nirvik Biswas	CESC Limited
17	Developing SMARTGRID Projects With Global Perspective In Indian Scenario	Amit R. Kulkarni, Shrikant S Rajurkar	MAHATRANSCO

18	An European Integrated Research Program on Smart Grids and the ELECTRA Web-Of-Cells Concept	Helfried Brunner; Luciano Martini;	Austrian Institute of Technology; Ricerca sul Sistema Energetico
19	Applicability of Error Limit in Forecasting & Scheduling of Wind and Solar Power in India	Abhik Kumar Das	del2infinity Energy Consulting
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24	Preparing for high-mix of renewables in India's power generation	Prabhjot Kaur, Ashok Jhunjhunwala	Telecom Centre of Excellence, IIT Madras
25	Smart Energy Metering Using LPWAN IoT Technology	Shobhit Jain, M. Pradish, A. Paventhan, M. Saravanan and Arindam Das	
26	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	
27	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	
28	Improve Distribution Quality and Reduce Distribution Losses Substantially	G. V. Sukumara and Vijay L. Sonavane	
29	Micro-phasor Measurement Units (IPMUs) and Its Applications in Smart Distribution Systems	Alok Jain and Suman Bhullar	

30	A Rule-Driven Architecture to Address Interoperability in an IEC 61850 Series-Based Power Utility Automation System	Mayank Sharma and Thomas Rudolph	
31	Digital Utility	Deepak Chaudhary	
32	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	
33	Plug and Operate Power and Distribution Transformer Technology	Deepal Shah	
34	Public Opinion on Viability of XEVs in India	Mohd. Saqib, Md. Muzakkir Hussain, Mohammad Saad Alam, M. M. Sufyan Beg and Amol Sawant	
35	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	
36	Viability of xEVs in India: A Public Opinion Survey	Mohammad Asaad, Prashant Shrivastava, Mohammad Saad Alam, Yasser Rafat and Reji Kumar Pillai	
37	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	
38	Electric Vehicle Charging Infrastructure in India: Viability Analysis	Wajahat Khan, Furkan Ahmad, Aqueel Ahmad, Mohammad Saad Alam and Akshay Ahuja	
39	Challenges in Implementation of Virtual Synchronous Generator	Ganesh N. Jadhav, Sadik J. Shaikh and Omkar N. Buwa	
40	Smart Solutions and Opportunities for Key Challenges in Renewables Integration and Electric Vehicles Integration to a Conventional Grid	Goutham Yelmannchli	