

Selected Technical Papers for Presentation and Springer Publication – India Smart Utility Week (ISUW) 2018

Technical Papers selected for Presentation at ISUW 2018

S.No	Author Name	Organisation Name	Title of Technical Paper
1	Aakash Shah Anshul Mittal Nikhil Jain Rajat Kumar Arya Sharad Garg Dr. Rajesh Kumar	Girnar software Sensara Technologies India Pvt. Ltd. C-DOT Saint-Gobain India D.E.Shaw India Pvt. Ltd. Malaviya National Institute of Tech.	Robotic Inspection of High Voltage Transmission Lines under Live Condition
2	Vishal J. Waghchaure Reeta S. Aras Rahul B. Bhatt Ritesh U. Choudhari	MSETCL	Implementation of WebGIS in MSETCL on BHUVAN Platform
3	Yvo Thomas Anton Hunink Linda Manon Kamp Esther Maria Blom	Energy Bazaar Delft University of Technology Delft University of Technology	Co-Creating Responsible Energy Systems
4	Tarun Bhardwaj Virender Mittal Aakash Verma	Tata Power Delhi Distribution Ltd.	Advance Distribution Management System-An Integrated System
5	Ajit J Tawde	IBM India	Blockchain for E&U
6	Aurabind Pal	Rural Electrification Corporation	Solving Duck Curve Problem due to Solar Integration using Blockchain Technology
7	Ajay Krishnan N Dr. Jürgen Kolb Dr. Rafiq Azzam Dr. Uwe Kaltenborn Dr. R. Sarathi	Reinhausen Group Leibniz Institute for Plasma science and Technology RWTH Aachen University Highvolt Prüftechnik GmbH IIT Madras	Degradation of Organic Pollutants in drinking water by non-thermal plasma
8	Sebastian Kossler DKE	DKE German Commission for Electrical, Electronic & Information Technologies of DIN and VDE	Setting Standards – Perspectives for Future Energy Grids
9	Nisargkumar Suthar	National Power Training Institute, Faridabad	Estimating Effect of Electric Vehicles on Indian Grid System and Identifying

			Consequent Opportunities
10	Girish Ghatikar Nikhil Parchure Rupendra Bhatnagar	Electric Power Research Institute Octillion Power Systems India Smart Grid Forum	Macro-Level Methodologies to Assess Grid Impacts and Flexibility from Battery Electric Vehicles
11	Harshit Anand Ayush Agarwal Pooja Shukla Suneel Yadav	IIT, Allahabad	Smart Charging of Electric Vehicles in Grid-to-Vehicle (G2V) Networks
12	Neeraj Ramchandran Pradeep Singhvi Manoj Bansal	PwC India	Market Diffusion model of Electric Vehicles for planning Charging Infrastructure in India
13	Mukesh Bhandari Balaji Balasundaram	Firefly International Energy Co., Firefly Batteries Private Limited,	Smart Energy Storage Systems for Smart grids & Smart cities: Microcell Carbon Foam batteries -A Disruptive Technology
14	Akshay Ahuja Amol Sawant Hem Thukral		Second life of Energy Storage Battery
15	Prabir Barooah		Virtual energy storage from air conditioning loads
16	V. Aditya G. Arunkrishna S. Balakrishna S. Subbian	SGRP	Dynamic Reactive Power Compensation (DRPC) by PV Inverter for Grid Parity
17	Ishaq Sulthan	GBCI	Damage and Exposure Prevention of Energy Infrastructure through strategies in PEER
18	Ms Khushboo.M.Khan		Fault Analysis on Extra High Voltage Transmission Line by using Wavelet Analysis Technique and GPS system
19	Anoop V Eluvathingal K.Shanti Swarup	IIT Madras	Protection Scheme For Smart Distribution Networks With Inverter Interfaced

			Renewable Power Generating Sources
20	Akshay Kumar Gera	Tata Power- DDL, New Delhi	Integration of Rooftop Solar: A step towards 100% Renewable
21	G V Sukumara		Shashiratna: Rural Micro Grid
22	Soham Chakraborty Sarasij Das Manoj Negi	IISC Bangalore	Hybrid Microgrids for Diesel Consumption Reduction in Remote Military Bases of India
23	Abilash ET Nair	ABB India Limited	Microgrid for the purpose of the development of Netzero Energy Green Buildings and communities towards 100% renewables Vision
24	Ms. Vrushali G. Nasre	Priyadarshini College of Engineering, Nagpur	Smart Water- An Automation of Existing Waste Water Filtration and Recycling System
25	Mohit Saluja	RICS School of Built Environmen	INTELLIGENT WATER MANAGEMENT SYSTEM- SMART APPROACH TOWARDS SUSTAINABILITY
26	Pankaj Mohan Gupta Moreshwar Salpekar Pravesh Kumar Tejan	ST Microelectronics (I) Pvt Ltd	Smart Water Distribution Using Low Cost Communication Protocol
27	Adam Sutton	CyanConnode Limited	Smart Lighting – Informative, efficient and versatile
28	Sravan Appana	Fluentgrid Ltd.	Smart Micro-Cities- Decentralization Of Access And Decision Making
29	Jagdish Achara	LCA2, EPFL, Lausanne, Switzerland	Technologies for Integration of Large-Scale Distributed Generation and Volatile Loads in Distribution Grids
30	Alan Gooding Uma Rajarathnam	Smarter Grid Solutions Enzen Global Solutions	ANM and SCADA/DMS: A Differentiation
31	Anil V. Kale M G. Raoot	PXIL, Mumbai	Developing Smart Markets in Electricity

32	Moreshwar Salpekar Pankaj Mohan Gupta	ST Microelectronics (I) Pvt Ltd	A Secure Protocol Suite for Smart Grid Components
33	Shyam Nandan Yadav D.R Dharmadhikari	TATA Power-DDL	Smart Grid for Smart City
34	M. Laurent Karsenti M. Christophe Feuillard M. Yann Toravel	EDF International Networks EDF International Networks Enedis / NEDI Digital program	Roll out and learnings of Smart Grids- The French Experience
35	Alka Malik Pushpendra Chaudhary Samant Nagpaul Santosh K Sarangi	Tata Power Delhi Distribution Ltd.	Mobile Electricity Restoration Application-Outage Management System
36	Richard Irwin	Bentley Systems	Revolutionizing Asset Management in the Electric Power Industry With machine learning
37	Davinder Paul Singh	Indraprastha Gas Limited	Smart Metering Solutions for City Gas Distribution Company

Technical Papers Selected for Publication in Springer Journal

Paper Number	Author/s	Organization Name	Paper Title
4	Karthik Vagicharla Harikrishna Muda	Central Electricity Authority, Mumbai Masdar Institute of Science and Technology Abu Dhabi, UAE	Evaluation of Technologies for Smart Microgrid Protection Schemes
5	Aakash Shah Anshul Mittal Nikhil Jain Rajat Kumar Arya Sharad Garg Dr. Rajesh Kumar	Girnar software Sensara Technologies India Pvt. Ltd. C-DOT Saint-Gobain India D.E.Shaw India Pvt. Ltd. Malaviya National Institute of Tech.	Robotic Inspection of High Voltage Transmission Lines under Live Condition

6	Vishal J. Waghchaure Reeta S. Aras Rahul B. Bhatt Ritesh U. Choudhari	MSETCL	Implementation of WebGIS in MSETCL on BHUVAN Platform
9	Rakesh Kumar Goyal	Tetra Tech ES India Private Limited, Delhi	IoT for Indian Power sector
10	Yvo Thomas Anton Hunink Linda Manon Kamp Esther Maria Blom	Energy Bazaar Delft University of Technology Delft University of Technology	Co-Creating Responsible Energy Systems
11	Tarun Bhardwaj Virender Mittal Aakash Verma	Tata Power Delhi Distribution Ltd.	Advance Distribution Management System-An Integrated System
13	Gagandeep Kaur D R Dharmadhikari	Tata Power Delhi Distribution Ltd.	Digital Utility Structural Transformation of TATA Power-DDL as Digital Utility
14	Kopal Agarwal	Fluentgrid Limited	Using blockchain to bring techno commercial viability to microgrids
20	Ajit J Tawde	IBM India	Blockchain for E&U
21	Aurabind Pal	Rural Electrification Corporation	Solving Duck Curve Problem due to Solar Integration using Blockchain Technology
22	Robin Giri Mangesh Jarode	The Tata Power Company Limited, Mumbai	EIC (Utility excavation information center), mobile app & common patrolling
26	Vinay Gupta	Suzlon Energy Limited	Artificial Intelligence (AI) Applications and Techniques in Smart Grid
27	Ajay Krishnan N Dr. Jürgen Kolb Dr. Rafiq Azzam Dr. Uwe Kaltenborn Dr. R. Sarathi	Reinhausen Group Leibniz Institute for Plasma science and Technology RWTH Aachen University Highvolt Prüftechnik GmbH IIT Madras	Degradation of Organic Pollutants in drinking water by non-thermal plasma
30	Sebastian Kossler DKE	DKE German Commission for Electrical, Electronic & Information Technologies of DIN and VDE	Setting Standards – Perspectives for Future Energy Grids

34	Nisargkumar Suthar	National Power Training Institute, Faridabad	Estimating Effect of Electric Vehicles on Indian Grid System and Identifying Consequent Opportunities
36	Girish Ghatikar Nikhil Parchure Rupendra Bhatnagar	Electric Power Research Institute Octillion Power Systems India Smart Grid Forum	Macro-Level Methodologies to Assess Grid Impacts and Flexibility from Battery Electric Vehicles
39	Harshit Anand Ayush Agarwal Pooja Shukla Suneel Yadav	IIT, Allahabad	Smart Charging of Electric Vehicles in Grid-to-Vehicle (G2V) Networks
44	Neeraj Ramchandran Pradeep Singhvi Manoj Bansal	PwC India	Market Diffusion model of Electric Vehicles for planning Charging Infrastructure in India
46	Anupam Roy	Tata Consulting Engineers Limited	Application of Battery Energy Storage System in Industrial Plants
49	Mukesh Bhandari Balaji Balasundaram	Firefly International Energy Co., Firefly Batteries Private Limited,	Smart Energy Storage Systems for Smart grids & Smart cities: Microcell Carbon Foam batteries -A Disruptive Technology
51	Akshay Ahuja Amol Sawant Hem Thukral		Second life of Energy Storage Battery
52	Prabir Barooah		Virtual energy storage from air conditioning loads
54	V. Aditya G. Arunkrishna S. Balakrishna S. Subbian	SGRP	Dynamic Reactive Power Compensation (DRPC) by PV Inverter for Grid Parity
57	Ishaq Sulthan	GBCI	Damage and Exposure Prevention of Energy Infrastructure through strategies in PEER
60	Ms Khushboo.M.Khan		Fault Analysis on Extra High Voltage Transmission Line by using Wavelet Analysis Technique and GPS system
61	Anoop V Eluvathingal K.Shanti Swarup	IIT Madras	Protection Scheme For Smart Distribution Networks With Inverter Interfaced Renewable Power Generating Sources

62	A. R. Kulkarni S. S. Rajurkar	MAHATRANSCO Mumbai	WIDE AREA MONITORING SYSTEM(WAMS):THE FOUNDATION BLOCK OF SMARTGRIDS FOR EVENT ANALYSIS
66	Dr. C. Sharmeela Er. P. Sivaraman S. Balaji	Anna University, TECh Engineering Services, Anna University,	Design of Hybrid DC mini grid for educational institution: case study
73	Akshay Kumar Gera	Tata Power- DDL, New Delhi	Integration of Rooftop Solar: A step towards 100% Renewable
75	G V Sukumara		Shashiratna: Rural Micro Grid
78	Soham Chakraborty Sarasij Das Manoj Negi	IISC Bangalore	Hybrid Microgrids for Diesel Consumption Reduction in Remote Military Bases of India
79	PT SEENATH BEEVI	Kerala State Electricity Board Ltd.	A Decentralised Approach For Load Management In An Islanded Dstribution Network During Contingency
82	Abilash ET Nair	ABB India Limited	Microgrid for the purpose of the development of Netzero Energy Green Buildings and communities towards 100% renewables Vision
83	Ms. Vrushali G. Nasre	Priyadarshini College of Engineering, Nagpur	Smart Water- An Automation of Existing Waste Water Filtration and Recycling System
84	Mohit Saluja	RICS School of Built Environmen	INTELLIGENT WATER MANAGEMENT SYSTEM- SMART APPROACH TOWARDS SUSTAINABILITY
85	Pankaj Mohan Gupta Moreshwar Salpekar Pravesh Kumar Tejan	ST Microelectronics (I) Pvt Ltd	Smart Water Distribution Using Low Cost Communication Protocol
90	Adam Sutton	CyanConnode Limited	Smart Lighting – Informative, efficient and versatile
91	Sravan Appana	Fluentgrid Ltd.	Smart Micro-Cities-Decentralization Of Access And Decision Making
93	Raymond M. Kaiser	Amzur Technologies	Coordinating Distributed Energy Resources with Energy Service APIs
94	Jagdish Achara	LCA2, EPFL, Lausanne, Switzerland	Technologies for Integration of Large-Scale Distributed Generation and Volatile Loads in Distribution Grids

95	Alan Gooding Uma Rajarathnam	Smarter Grid Solutions Enzen Global Solutions	ANM and SCADA/DMS: A Differentiation
96	Sanjay Banga	TATA POWER- Delhi Distribution Limited	Power Markets & Smart Grid
97	Dr. Rashmi Salpekar	Vivekananda Institute of Professional Studies	Analysis of Smart Grid Regulations Including Data Privacy
98	Anil V. Kale M G. Raoot	PXIL, Mumbai	Developing Smart Markets in Electricity
99	Moreswar Salpekar Pankaj Mohan Gupta	ST Microelectronics (I) Pvt Ltd	A Secure Protocol Suite for Smart Grid Components
101	Narayanan Rajagopal Ajit Khandekar, Amrit Mishra, Sriram Shankara Narayanan	Tata Consultancy Services Ltd.	Roadmap for Digital Control System (DCS) Implementation in Utility Substations
103	Shyam Nandan Yadav D.R Dharmadhikari	TATA Power-DDL	Smart Grid for Smart City
104	Puneet Paneri	Fluentgrid Limited	Using energy disaggregation to kickstart effective consumer engagement in India
105	Ajit Khandekar Amrit Mishra, Hardik Shah, Bhargav Dave	Tata Consultancy Services Ltd.	Utility Power Transformers' Performance Enhancement in Smart Grids
106	M. Laurent Karsenti M. Christophe Feuillard M. Yann Toravel	EDF International Networks EDF International Networks Enedis / NEDI Digital program	Roll out and learnings of Smart Grids- The French Experience
108	Alka Malik Pushpendra Chaudhary Samant Nagpaul Santosh K Sarangi	Tata Power Delhi Distribution Ltd.	Mobile Electricity Restoration Application-Outage Management System
115	Richard Irwin	Bentley Systems	Revolutionizing Asset Management in the Electric Power Industry With machine learning

119	Raviraj Vilas Kadam ravin Y. Ganvir, Dr. Rajesh Holmukhe		Solar Net Metering: Regulatory Framework, Opportunities and Challenges in Maharashtra
120	Md Shadab Ahmad	Tata Power Delhi Distribution Limited	Self-Healing Distribution Grid Benefits, Challenges and Optimize way of Implementation
124	Sharad Garg Vaibhav Jain Sarthak Jain	Malaviya National Institute of Technology Jaipur, Rajasthan, I	Demand-Side Management Based Intelligent Meter for Smart Grid
125	Przemysław A. Paluszek Dr.-Ing. Katharina M. Borgmann Dr.-Ing. Jan Barski	University of Opole N-EAST School of Advanced Studies University Duisburg-Essen HafenCity University	Smart communication solutions for Smart Grids?
127	Davinder Paul Singh	Indraprastha Gas Limite	Smart Metering Solutions for City Gas Distribution Company
128	D R Dharmadhikari Subhadip Raychaudhuri Ajay Agarwal Ravindra Bhanage	Tata Power Delhi Dist. Ltd.	SUBSTATION AUTOMATION THROUGH SMART DT METERS
130	Anukram Mishra Bajrang Agarwal Vaibhav Garg	Genus Power	SMART Meter APDU Modelling for End-Use