

Selected Technical Papers for Presentation and Publication – India Smart Utility Week (ISUW) 2021

Technical Papers Selected for Presentation at ISUW 2021 (Top 25)

Paper No	Title of Technical Paper	Main Author Name	Organization Name
3	Real Time Monitoring of OT Devices through INMS	Aamir Hussain Khan	Tata Power Delhi Distribution Limited
4	Combined Billing and Customer Care Systems for all Utilities in a Smart City	Amit Jindal	PwC India Pvt. Ltd.
9	Demystifying Digitally Empowered Prosumer Transformation Opportunities for Utilities in Energy Value Ecosystem	Anindya Pradhan	Tata Consultancy Services
11	Smart Solutions based on Smart Metering Data to Improve Distribution Network Operations and Customer Management in France	Antoine TROBOIS	ENEDIS
14	Energy Storage	B B Mehta	Odisha Power Transmission Corporation Ltd
21	Vehicle to Grid Integration and Strategies for Managed EV charging	Chandana Sasidharan	Alliance for an Energy Efficient Economy
25	Development of Smart Data Analytics Module enabling access to Electric Vehicle Usage in Smart City	Dr Surekha Deshmukh	PVG COET
26	Market Clearing Price (MCP) in Microgrid Power generation Scenario	Dr. Arup Sinha	Virtuoso Consulting

28	Hosting Capacity Analysis and Managed Charging Solutions for Electric Vehicle Grid Integration	Dr. Shivani Sharma	Hitachi ABB Power Grids
33	Feasibility analysis to integrate EVs and RTPV at distribution voltage level	Harikrishna K V	Center for Study of Science Technology and Policy
34	Cyber Threat Protection Mechanism for Smart Microgrids	Himanshu Nayyar	Tata Power Delhi Distribution Limited
36	Communicable and Remotely Operable 11KV Air Brake Switch with Earth Blade and FPI Facility A Smart Switch Operation	JIGNESH BORISGAR	GPRD CELL, GUVNL, IIT GANDHINAGAR
38	Implementation of Robotics & Drones in Power Distribution	Kaushal Pandya	Tata Power Company
43	Cyber Physical Security of the Critical Infrastructure	M L Sachdeva, Former Chief Engineer, N S Sodha, Former Executive Director, PowerGrid	Powergrid
58	Experience of Battery Energy Storage System by TATA Power DDL	Nilesh Kane	Tata Power Delhi Distribution Limited
60	Paperless & Contactless Operations in Distribution Services	Parmanand P Tendulkar	Tata Power Company
62	IElectrix Project System integration tests	Pierre-Jacques Le Quellec	ENEDIS
74	Enabling Smart Energy Communities through PEER Strategies	S R SANJAY KUMAR	GBCI India Pvt. Ltd.
76	Distributed Ledger Technology based Common GIS Map for all Domains in a Smart City	Sanjay Dhonde	Orange Current Technologies Pvt. Ltd.

83	Extremely Severe Cyclonic Storm Fani: Impact on Power System Operation in Indian Sub-Continent	SHIBAN KANTI BALA	ODISHA POWER TRANSMISSION CORPORATION LIMITED
89	Flexibility from Hydro Energy with case study on 9PM9Minute event	SURENDRA KUMAR MISHRA	NHPC Ltd.
91	Artificial Intelligence (AI) Powered Customer Care	Tanmay Dalal	Accenture Technology Ltd.
94	Optimizing Electric Vehicle Charging with Charging Data Analytics	Tayyibah Khanam	Aligarh Muslim University
96	Smart LT Network Equipment: Introduction of Smart, Compact & Aesthetic LT Feeder Pillars	Vikas Kaul	Tata Power Company
99	Asset Performance Management using Machine learning	Vinit Mishra	Ernst & Young LLP
* As per serial number allotted during abstract shortlisting (in alphabetical order)			

Technical Papers Selected for Publication (Only) in Springer Journal

S. No*	Title	Name	Organization
1	Real Time Monitoring of OT Devices through INMS	Aamir Hussain Khan	Tata Power Delhi Distribution Limited
2	Combined Billing and Customer Care Systems for all Utilities in a Smart City	Amit Jindal	PwC India Pvt. Ltd.
3	Demystifying Digitally Empowered Prosumer Transformation Opportunities for Utilities in Energy Value Ecosystem	Anindya Pradhan	Tata Consultancy Services

4	Smart Solutions based on Smart Metering Data to Improve Distribution Network Operations and Customer Management in France	Antoine TROBOIS	ENEDIS
5	Energy Storage	B B Mehta	Odisha Power Transmission Corporation Ltd
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10	Feasibility analysis to integrate EVs and RTPV at distribution voltage level	Harikrishna K V	Center for Study of Science Technology and Policy
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13	Implementation of Robotics & Drones in Power Distribution	Kaushal Pandya	Tata Power Company
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18	Enabling Smart Energy Communities through PEER Strategies	S R SANJAY KUMAR	GBCI India Pvt. Ltd.
19	Distributed Ledger Technology based Common GIS Map for all Domains in a Smart City	Sanjay Dhonde	Orange Current Technologies Pvt. Ltd.
20	Extremely Severe Cyclonic Storm Fani: Impact on Power System Operation in Indian Sub-Continent	SHIBAN KANTI BALA	ODISHA POWER TRANSMISSION CORPORATION LIMITED
21	Flexibility from Hydro Energy with case study on 9PM9Minute event	SURENDRA KUMAR MISHRA	NHPC Ltd.
22	Artificial Intelligence (AI) Powered Customer Care	Tanmay Dalal	Accenture Technology Ltd.
23	Optimizing Electric Vehicle Charging with Charging Data Analytics	Tayyibah Khanam	Aligarh Muslim University
24	Smart LT Network Equipment: Introduction of Smart, Compact & Aesthetic LT Feeder Pillars	Vikas Kaul	Tata Power Company
25	Asset Performance Management using Machine learning	Vinit Mishra	Ernst & Young LLP
26	Internet of Things (IOT) in Utility Operations	Abhinav Mogha	Tata Power Delhi Distribution Limited
27	Effective OT Cyber security for modern Grid operations & asset management	Anil Kumar Ojha	Tata Power Delhi Distribution Limited
28	Electric Vehicle Charging Infrastructure Planning and Security	Aravind Premachandran	PwC India Pvt. Ltd.

	Measures in Indian Urban Centres		
29	A Sustainable Power Distribution Model: Focus on Rural Distribution	AURABIND PAL	REC Ltd.
30	Towards 100% RE	B B Mehta	Odisha power Transmission Corporation Ltd
31	Access to Standardised, Transparent, and Granular Electricity Consumption Data: A Novel Engagement Model for the Indian Consumer	Bhawna Tyagi	Alliance for an Energy Efficient Economy
32	Pioneering in Data Quality & Security in Smart Grid	Bright Roy	Landis+Gyr
33	Smart Power Solutions for Smart Cities	Gagandeep Kaur	Tata Power Delhi Distribution Limited
34	AI based alert voice app for customer	Gaurav Sharma	Noida Power Company Limited
35	Two Capacity Transformer for Technical Loss Reduction	Krishna Porwal	Tata Power Delhi Distribution Limited
36	Experimental Study on Improvement of Power Generation in Building Integrated PV	Lakshmi Santhanam	Renkuba Private Limited
37	Unconventional Operation of Power Transformers through Reverse Feeding Process	Lalit Wasan	Tata Power Delhi Distribution Limited
38	Utility level Power Quality measurement-challenges in implementation of PQ monitoring system for sub-transmission network of Tata Power-DDL	M. Krishna Chaitanya	Tata Power Delhi Distribution Limited
39	Solar- Wind Hybrid System for Domestic Application	Manan Pathak	Silver Oak University
40	Design and Development of Transmission Line Inspection Robot	Manan Pathak	Silver Oak University

41	Global product in local need- Impact of environment over smart grid IED/ electronic equipment	Manibhushan Prasad	Tata Power Delhi Distribution Limited
42	A System Design using IoT, IEC61508, IEC61850 and IEEE C37.x to improve reliability of Smart Grid	Moreshwar Salpekar	Independent
43	Know Your Electricity Consumption	Mr. Devanjan Dey	Tata Power Company
44	Implementing a Smart Grid Command and Control Centre	Parul Bahl Sawhney	Tata Power Delhi Distribution Limited
45	Disruptive Innovation for Utilities	Prakhar Chaudhary	Accenture Technology Ltd.
46	GeoUrja- an Innovative GIS Solutions for an Electrical Network	R D Patel	Gujrat Power Research and Development Ltd. (GUVNL)
47	New trends in smart billing and it's Efficiency for Smart cities	Ram Avtar	MVVNL
48	Developing A Regulatory Approach to Enable EV Application As A Virtual Power Plant	Shyamasis Das	Alliance for an Energy Efficient Economy
49	Strategy and workplan for rollout of smart meters in prepaid mode	TANMOY MITRA	Assam Power Distribution Company Limited
50	Big data analytics in Sustainability and E-mobility	Tayyibah Khanam	Aligarh Muslim University