ISUW 2026 Technical Paper
Selected Abstracts for Full Paper Submission

Sl No	Theme	Title of Technical Paper	Lead Author Name	Lead Author Organization Name
1	Regulations for the Evolving Smart Energy Systems	Towards Sustainable Solar Future-An approach for circular economy in PV Waste Management	Narendra Kabi	WAPCOS Limited
2	Regulations for the Evolving Smart Energy Systems	Carbon Markets	Aman Chandra	Cognizant Technology Solutions
3	Regulations for the Evolving Smart Energy Systems	Market Coupling, Derivatives & Security Constrained Economic Dispatch (SCED): An Integrated Layered Transition Framework for Indiaâ€™s Power Sector	Nishita Das	TERI School of Advance Studies
4	Regulations for the Evolving Smart Energy Systems	Tamil Naduâ€™s Energy Transition: Regulatory Innovations for Open Access and Green Power Markets	Nallasivan Chenniappan	Tamil Nadu Power Distribution Corporation Ltd
5	Regulations for the Evolving Smart Energy Systems	Distributed Renewable Energy, Storage, and Demand Flexibility in Resource Adequacy: Techno-Economic Assessment with a Goa Case Study	Himanshu	IIT Kanpur
6	Regulations for the Evolving Smart Energy Systems	Implementation of Resource Adequacy (RA) Measures for Ensuring Reliable Integration of Renewable Energy (RE) Across India	Balawant Joshi	Idam Infrastructure Advisory Pvt Ltd
7	Regulations for the Evolving Smart Energy Systems	Global Trends, Mechanisms, and Impact on the Energy Transition	Shruti Manocha	Siemens
8	Regulations for the Evolving Smart Energy Systems	Engineering Resilience and Adaptation Strategies for Extreme Weather Risks	Shruti Manocha	Siemens
9	Regulations for the Evolving Smart Energy Systems	Cyber-Physical Security of Critical Infrastructure: Challenges and Defense Strategies	Shruti Manocha	Siemens
10	Regulations for the Evolving Smart Energy Systems	Regulations for the Evolving Smart Energy Systems and Power Markets -Ancillary Services	Rupanjana Debnath	Siemens Technology & Services Pvt. Ltd.
11	Disruptive Innovations for Utilities	Smart Distribution Transformer (DT) Planning â€“ A Disruptive Innovation for Sustainable Utility Operations	Gaurav Kumar	Tata Power Delhi Distribution Limited, India

12	Disruptive Innovations for Utilities	Identification and Analysis of Electricity Theft in Power Distribution Network through Integration of Drone Data with Deep Learning Algorithms	Vikas Gupta	Noida Power Company Ltd
13	Disruptive Innovations for Utilities	Optimization Of T&D Losses Through Advanced Analytics	Tajveer Tyagi	Tata Power Northern Odisha Distribution Limited
14	Disruptive Innovations for Utilities	Energy Performance Optimization System (EPOS)	Ritu Raj	Noida Power Company Limited
15	Disruptive Innovations for Utilities	Virtual Reality, Augmented Reality, Assisted Reality and Mixed Reality Technologies for the Smart Grids and Smart Cities	Binayak Debta	Cognizant Technology Solutions India Private Limited
16	Disruptive Innovations for Utilities	Agentic AI for Industrial Cooling Systems Utilities: Deep Reinforcement Learning based Performance Optimization with LLM-Enhanced Decision Support	Gourav Sarkar	ServiceNow
17	Disruptive Innovations for Utilities	Leveraging the Power of AI in Identifying Power Theft	Suhaas Mani	TP Western Odisha Distribution Limited
18	Disruptive Innovations for Utilities	Rate the Consumer Behavior at Call Centre	Subransu Keshari Samantray	TP Western Odisha Distribution Ltd
19	Disruptive Innovations for Utilities	Leveraging DT Smart Metering for Accurate Outage Detection and Confirmation	Kapil Kumar	Tata Power - DDL
20	Disruptive Innovations for Utilities	Sanjoga: A GIS-Enabled Real-Time Feasibility Assessment Tool for Accelerating New Electricity Connections	Saurav Darshana Mohapatra	TP Western Odisha Distribution Limited
21	Disruptive Innovations for Utilities	A Simple and Low-Cost Framework for Deployment of Smart Meters for the Small and Rural Customers without Dedicated ICT Infrastructure	Jai Govind Singh	Asian Institute of Technology, Thailand
22	Disruptive Innovations for Utilities	Transforming Customer Engagement with Smart Interactive Voice Bot for Enhancing Green Billing Adoption	Subransu Keshari Samantray	TP Western Odisha Distribution Ltd
23	Disruptive Innovations for Utilities	Development of physical testbed for digital twin of Battery Management System	Kumar Chandra Prakash Barun	IIITDM Kancheepuram
24	Disruptive Innovations for Utilities	Digital Twins for Distribution Utilities: From Grid Visibility to Operational Foresight	B Gidean Praveen	Fluentgrid Limited
25	Disruptive Innovations for Utilities	The Sentient Grid: How Agentic AI is Creating the Autonomous Utility of the Future	J Sai Keshava Srinivas	Cognizant Technology Solutions Pvt. Ltd
26	Disruptive Innovations for Utilities	Powering the Future: Digital Twins for Smarter, Reliable, and Efficient Grids	V. Lavanya	Vellore Institute of Technology

27	Disruptive Innovations for Utilities	WeatheXpert: The PAN TATA Weather Tool	Trusha Biswas	Tata Power Mumbai
28	Disruptive Innovations for Utilities	eimagining Outage Management in Indian Utilities: A Tech-Enabled Framework for the Future	Abhijit Panda	Cognizant Technology Solutions Pvt. Ltd
29	Disruptive Innovations for Utilities	Agentic Artificial Intelligence for Optimizing Field Force Operations and Work Management in the Utility Sector	Sayli Gaikwad	Cognizant Technology Solutions Pvt. Ltd
30	Disruptive Innovations for Utilities	Machine Learning Approach for Detecting Cyber-Attacks in Load Frequency Control	Santanu Thandar	Indian Institute of Information Technology (IIIT), Kalyani
31	Disruptive Innovations for Utilities	Augmented Reality implementation in Smart Grid	Ashish Taneja	Protiviti India Member Firm
32	Disruptive Innovations for Utilities	Transforming Smart Meter Troubleshooting and Solar Integration through Digital Twins and Agentic AI with Real-Time Communication	Nikita Nayak	TP Central Odisha Distribution Limited
33	Disruptive Innovations for Utilities	Ai driven Meter replacement note for smart meter installation - problem with old customer meter information and new smart meter details grossly mismatched in manual MRN (meter replacement note)	Sumit Gupta	AssetPlus Consulting Pvt Ltd
34	Disruptive Innovations for Utilities	Convergence of AI, ML, Robotics, and IoT for Grid Resilience	Gaurav Kapoor	TekUncorked
35	Disruptive Innovations for Utilities	Disruptive Innovations for Utilities - Web 3.0 and Metaverse for Utilities	Gufran Basit	Siemens Technology and Services Private Limited
36	Disruptive Innovations for Utilities	Voice of the Customer - What the Digital Customers Wants?	Gufran Basit	Siemens Technology and Services Private Limited
37	Disruptive Innovations for Utilities	Digitalization, New Services and Revenue Streams	Sadanand Drona	Fluentgrid Limited
38	Disruptive Innovations for Utilities	Blockchain for Sustainable Bioenergy: Global Perspectives and the Indian Context	Maya P	Student
39	Disruptive Innovations for Utilities	Customer Engagement Strategies and Social Media for Utilities â€“ Customer Portal, Chat-bot, Voice-bot	Sadanand Drona	Fluentgrid Limited
40	Disruptive Innovations for Utilities	Digitalization, New Services and Revenue â€‹Streams	Ranjeet Kumar	BSES Rajdhani Power Limited
41	Disruptive Innovations for Utilities	AI/ML and RPA Led Digital Transformation in Transmission Line Design	Purna Chandra Rao	KEC International Limited

42	Disruptive Innovations for Utilities	Vehicle Tracking System (VTS)	Pritesh Kumar Srivastava	Tata Power Western Odisha Distribution Limited
43	Disruptive Innovations for Utilities	Implementation of Remote Edge Smart Troubleshooting	Akshay Suresh Achat	Tata Power Western Odisha Distribution Limited
44	Disruptive Innovations for Utilities	SURE â€“ Smart Urban Reliability Enhancer	Sukhendu Dash	Tata Power Western Odisha Distribution Limited
45	Disruptive Innovations for Utilities	Use of Artificial Intelligence for Automated Defect Detection in Transmission Infrastructure using UAV	Utkarsh Jaiswal	Resonia Limited
46	Disruptive Innovations for Utilities	5G Rollout and its Impact for Utilities	Brian Jones	EDX Wireless Inc.
47	Disruptive Innovations for Utilities	Enhancement of Safe work culture through demonstration of Virtual Reality in Electrical Operation of Power Distribution Utility-BUILDING A ZERO HARM CULTURE	Gourab Kumar Dhal	TP Western Odisha Distribution Limited
48	Disruptive Innovations for Utilities	Solar Eligibility Token - A RTS Marketplace	Vijay Dhonde	Orangecurrent Technologies Private Limited
49	Disruptive Innovations for Utilities	Blockchain Applications for Utilities and Local Energy Markets	Vijay Dhonde	Orangecurrent Technologies Private Limited
50	Disruptive Innovations for Utilities	Smart Living: A Path to Smarter Electricity Consumption & Step Towards Energy Conservation	Gourab Kumar Dhal	TP Western Odisha Distribution Limited
51	Disruptive Innovations for Utilities	AI-Optimized Predictive Maintenance for Solar Installations Using Computer Vision	Devesh Verma	BSES Rajdhani Power Ltd
52	Disruptive Innovations for Utilities	Disruptive Innovations in metering and tamper detection for Indian Utlitiesetection	Ishika Tiwari	CESC Rajasthan
53	Disruptive Innovations for Utilities	Digital Twin of Power System	M.L. Sachdeva N.S. Sodha	Former Chief Engineer, CEA Former Executive Director, Power Grid
54	Disruptive Innovations for Utilities	Agentic AI for India's Utilities: From Loss Reduction to Grid-Edge Orchestration	Priyanshu Agarwal	Cognizant Technology Solutions India Private Limited
55	Cyber Security for the Digitalized Grids	Cyber Crisis Management Plan (CCMP)	Aamir Hussain Khan	Tata Power-DDL
56	Cyber Security for the Digitalized Grids	Securing Critical Infrastructure: A Unified ITâ€“OT SOC Approach for Power Distribution Utilities	Kundan Kumar	Tata Power-DDL

57	Cyber Security for the Digitalized Grids	ThreatPulse Live Intelligence Hub	Aamir Hussain Khan	Tata Power-DDL
58	Cyber Security for the Digitalized Grids	Enhancing Cybersecurity Visibility of OT Assets in Critical Infrastructure: A Practical Approach	Ankit	Power Grid Corporation of India Ltd
59	Cyber Security for the Digitalized Grids	Digital Forensics in Distributed Energy Resources: Current Challenges and Future Research Directions	Navneet Singh	DAV University
60	Cyber Security for the Digitalized Grids	Post Quantum Cryptography	Yasin Mohamed	Cognizant Technology Solutions India Private Limited
61	Smart Water	AI-driven Smart Water Grid for India's Water Supply Management	Aashutosh Soni	Cognizant Technology Solutions India Private Limited
62	Smart Water	Digital Pathways for Water Security	Anisha Vyas	Cognizant Technology Solutions India Private Limited
63	Smart Water	Multi-Agentic AI for Non-Revenue Water	Yasin Mohamed	Cognizant Technology Solutions India Private Limited
64	Smart Water	An Integrated System for Water Distribution Network Management	Moreshwar Salpekar	Sevya Multimedia Pvt Ltd
65	Smart Water	Smart Technologies to Address Indiaâ€™s Urban Water Crisis	Akshay Choudhary	Siemens Technology and Service Pvt ltd
66	Smart Water	Smart Technologies to Address India's Urban Water Crisis	Pinaki Sur	Tata Power Northern Odisha Distribution Limited
67	Smart City Gas Distribution	A Fault-Tolerant and Predictive Maintenance Framework for Gas Distribution Networks	Moreshwar Salpekar	Sevya Multimedia Pvt Ltd
68	Smart City Gas Distribution	LOSS UNACCOUNTED FOR GAS" PREVENTION WITH CNG STATIONIOT DRIVEN AUTOMATION	Sumit Gupta	Asset Plus Consulting OPC Private Limited
69	Smart City Gas Distribution	AVEVA UOC for Smart City Gas Distribution	Gaurav Kumar Hada	AVEVA Information Technology India Private Limited
70	INDIA @ 100 in 2047: Vision for the Indian Power System	Demystifying the potential of Digital innovation in achieving Energy Transition and Energy Democracy	Surekha Deshmukh	IEEE Pune
71	INDIA @ 100 in 2047: Vision for the Indian Power System	Facilitating Clean Energy Transition in the Indian Power System through Automatic Generation Control of Coal-based Plants	Satyam Chaudhary	Grid Controller of India Limited
72	INDIA @ 100 in 2047: Vision for the Indian Power System	Smart Builds for Carbon Free India	Ankit KC	Cognizant Technology Solution Pvt. Ltd.

73	INDIA @ 100 in 2047: Vision for the Indian Power System	Harnessing Rooftop Wind Energy for a Resilient and Sustainable Grid	Jinnis V. Patel	Gujarat Urja Vikas Nigam Limited
74	INDIA @ 100 in 2047: Vision for the Indian Power System	Digital Transformation of MSETCLâ€™s Legacy Transmission Infrastructure: Challenges and Roadmap for a Resilient Power System	Sunil Bansod	Maharashtra State Electricity Transmission Company Ltd.
75	INDIA @ 100 in 2047: Vision for the Indian Power System	Climate Proofing Power Systems: Integrative Strategies for Resilience and Sustainability	Sovik Sharma	Noida Power Company Limited
76	INDIA @ 100 in 2047: Vision for the Indian Power System	Building disaster resilient power distribution infrastructure	Subhankar Palit	Siemens Technology and Services Pvt. Ltd.
77	INDIA @ 100 in 2047: Vision for the Indian Power System	Virtual Power Plants for Rural India: A Pathway to Sustainable Livelihoods and Clean Energy Transition	Brijesh Singh	School of Sustainability Studies, Symbiosis Skills and Professional University, Pune
78	INDIA @ 100 in 2047: Vision for the Indian Power System	Digital Technologies for Energy Transition	Shyam Nandan Yadav	TATA Power Delhi Distribution Limited
79	INDIA @ 100 in 2047: Vision for the Indian Power System	Achievement of Sustainability benefits in addition to AT&C loss reduction as per mandatory use case implementation	Ashish Taneja	Protiviti India Member Firm
80	INDIA @ 100 in 2047: Vision for the Indian Power System	Smart Utility Planning through Mobile GIS: A Field-to-Backend Integrated Solution	Vikas Gupta	Noida Power Company Ltd
81	INDIA @ 100 in 2047: Vision for the Indian Power System	Enhancing Grid Reliability through Cost-Effective ADMS Implementation	Megha Dayanand Vanmore	TPWODL
82	INDIA @ 100 in 2047: Vision for the Indian Power System	Transforming Transformers	Trishikha Biswas	Tata Power Delhi Distribution Limited
83	INDIA @ 100 in 2047: Vision for the Indian Power System	Comprehensive Strategies And Roadmap For Achieving The Â€Œ 24*7 Affordable And Reliable Power To Allâ€ With Indian Context	DR. MEHEBUB ALAM	Damodar Valley Corporation
84	INDIA @ 100 in 2047: Vision for the Indian Power System	Powering the future: Digital Pathways for Energy Efficiency and Sustainability	Rajesh Grandhe	Aveva
85	INDIA @ 100 in 2047: Vision for the Indian Power System	Vision 2047: A Digital, Resilient, and Renewable India Power Sector	Varun Sharma	Oman National Engineering and investment company (SAOG)
86	Foundational Blocks for Smart Grids	LTE Network a Reliable & Cost Effective SCADA Communication System	Soumendra Sahoo	TP Central Odisha Distribution Limited
87	Foundational Blocks for Smart Grids	Operational Experience with Adaptive Protection and Auto-Reclosure in Indian Power Networks with High Renewable Penetration	Akshay Sharma	Powergrid

88	Foundational Blocks for Smart Grids	Smart Metering-Indian Experience and Lessons Learned	Pinaki Sur	Tata Power Northern Odisha Distribution Limited
89	Foundational Blocks for Smart Grids	From Chaos to Control: The Digital Edge of DER Integration	Garima Agarwal	Landis+Gyr Ltd.
90	Foundational Blocks for Smart Grids	Going the Extra Mile: Empowering Communities with Electricity and Internet	Pritesh Kumar Srivastava	Tata Power Western Odisha Distribution Limited
91	Foundational Blocks for Smart Grids	An Integrated Approach for OT / IT Security Risk Assessment of Smart Grids	Debashis Mandal	Sujosu Technology
92	Foundational Blocks for Smart Grids	Smart Inverters and Energy Storage as Foundational Blocks for Indiaâ€™s Future Smart Grids	Nitesh Gupta	Statcon Energiaa Private Limited
93	Foundational Blocks for Smart Grids	The Hidden Brain of SMART Meters : Resilient & Unified Firmware Management System	Tanuja Behera	Tata Power Central Odisha Distribution Limited
94	Foundational Blocks for Smart Grids	Foundational Blocks for Smart Grids - Smart Microgrids for Campuses, Railway Stations, Sea Ports, Airports, Industrial Parks, Military Bases, Hotels, Hospitals, Slums and Commercial Complexes	Gufran Basit	Siemens Technology and Services Private Limited
95	Foundational Blocks for Smart Grids	Smart Metering-Indian Experiences and Lessons Learned	Gufran Basit	Siemens Technology and Services Private Limited
96	Foundational Blocks for Smart Grids	Emerging Technologies for RE Integration	Gufran Basit	Siemens Technology and Services Private Limited
97	Foundational Blocks for Smart Grids	Optimizing Diesel Generator Operation of Remote Island Grid through BESS Utilization and InnovativeÂ LeasingÂ Scheme	Devni Syafrianto	PT PLN (Persero)
98	Foundational Blocks for Smart Grids	SCADAâ€“ADMS for Real-Time Protection Assessment	Megha Vanmore	TPWODL
99	Foundational Blocks for Smart Grids	How to tackle multi-layered cyberattacks in smart grid operations.	Shreya Malik Gilani	Siemens Technology and Services Pvt. Ltd.
100	Foundational Blocks for Smart Grids	Optimize Auto-recloser and Sectionalizer Placement for Reliability Improvement in a Radial Distribution Network.	Aditya Kumar Pati	TP Western Odisha Distribution Limited
101	Foundational Blocks for Smart Grids	Demand Side Management through Smart Metering	Anurag Verma	TP Western Odisha Distribution Limited

102	Foundational Blocks for Smart Grids	Smart Metering-Indian Experiences and Lessons Learned	Abhijit Kumar	ZERA India Pvt. Ltd.
103	Foundational Blocks for Smart Grids	Unified Grid Automation System	Ajit Kumar Patro	TP Western odisha distribution limited
104	Smart Grids for Smart Cities	Digital Twin-Enabled Virtual Power Plants for Optimal Renewable Energy Integration and Grid Flexibility in India	Dr. T. Kesavan	Easwari Engineering College
105	Smart Grids for Smart Cities	A Unified Geospatial and Data Framework for Smart Grid	Milind Solanki	Ernst & Young LLP
106	Smart Grids for Smart Cities	Flexumers: The Emerging Customer Class Driving Smart Grids for Smart Cities and Net Zero India	Kushal Likhi	VoltBrew Smart Tech
107	Smart Grids for Smart Cities	Prototype model of Controlling Home Appliances via a Switch Board without the Use of Internet	Prof. Divyang Pankajbhai Raval	Gujarat Technological University - Institute of technology & Research (GTU-ITR)
108	Smart Grids for Smart Cities	PSL Based Digital VCB cloning in IEDs for SCADA Testing in Distribution Substations â€“ Without Feeder Interruptions	Brijesh Yadav	TP Western Odisha Distribution Limited
109	Smart Grids for Smart Cities and Utilities Integration	Solar PV: Tata Power Role in Next Generation of Renewable Energy	Bindu Yadav	TPDDL
110	Smart Grids for Smart Cities and Utilities Integration	Multi-Objective Optimization Framework for Optimal Allocation of Large-Scale Battery Energy Storage Systems in DER Integrated Power Distribution Networks	Brijesh Singh	School of Sustainability Studies, Symbiosis Skills and Professional University, Pune
111	Smart Grids for Smart Cities and Utilities Integration	AI-Driven Intelligent Integrated BMS (iiBMS) for Smart Utility and Smart City Transformation	Ravi Sharma	Noida Power Company Limited
112	Smart Grids for Smart Cities and Utilities Integration	Unlocking the Value of Street Light Poles for Multiple Smart City Applications	Vandana Kamisetty Srinivasulu	Siemens Technology & Services Pvt. Ltd.
113	Electric Mobility	REVOLUTIONIZING ENERGY MANAGEMENT WITH MATTER PROTOCOL	Aravindhan Sugumar	Renault Nissan Technology & Business Centre India Private Limited
114	Electric Mobility	Electric Mobility	Rahul Kumar Singh	Radius Synergies International Private Limited
115	Electric Mobility	Smart EV Infrastructure in High-Rise Societies-Overcoming Load and Infrastructure Challenges	Rahul Kumar Singh	Radius Synergies International Private Limited
116	Electric Mobility	Powering Indiaâ€™s EV Transition: A Policy & Regulatory Analysis of Tariff, Grid Related Issues & Energy Security	Nishitha Das	TERI School of Advance Studies

117	Electric Mobility	Solar PV-Powered Second-Life EV Batteries for Resilient and Affordable Clean Electricity Access: Technical Learnings from Remote Himalayas Communities	Kapil Muddineni	The Energy and Resources Institute (TERI)
118	Electric Mobility	Virtual Green Fleet Orchestration	Yasin Mohamed	Cognizant Technology Solutions India Private Limited
119	Electric Mobility	Voltage Stability Analysis of Transmission Systems Incorporating Electric Vehicles as Virtual Power Plants	Ajeet Kumar Singh	The Energy and Resources Institute (TERI), New Delhi
120	Electric Mobility	Virtual Power Plant based Electric vehicle Coordinated charging scheduling framework	Abdul Akbar A V	The Energy and Resources Institute (TERI)
121	Electric Mobility	Second Life for EV Batteries	Shruti Manocha	Siemens
122	Electric Mobility	Enhancing Grid Power Quality with Multilevel Converters in EV Charging Infrastructure	Akhilesh Kumar Tiwari	VNIT Nagpur
123	Electric Mobility	Smart Electric Vehicles: Leveraging Artificial Intelligence for Efficiency and Safety	Lenkalapelly.Raju	VNIT,Nagpur
124	Electric Mobility	Solid State Transformer for Future Distribution Grid with Prosumers, Electric Vehicles and Distributed Energy Resources	Pradyumn Chaturvedi	Visvesvaraya National Institute of Technology, Nagpur
125	New and Emerging Technologies and Trends	Battery Energy Storage System: A Milestone in Mumbaiâ€™s Grid Evolution	Swapnil Rao	Tata Power company Limited
126	New and Emerging Technologies and Trends	Security enhancements in SCADA system using Blockchain solutions	Manan Sharma	Chandigarh Power Distribution Limited (CPDL)
127	New and Emerging Technologies and Trends	Optimization of District Cooling Using Waste Heat or Deep Sea Cold Water	Dr Purnima Jalihal	Atria University
128	New and Emerging Technologies and Trends	Revolutionizing Workforce Proficiency for Smart Grids and Cities with XR Technologies	Abhinash Pattnaik	TPWODL
129	New and Emerging Technologies and Trends	Centralised Refrigeration system for Large Buildings	Chilukuri Maheshwar	ex-Anglo Eastern Maritime Academy
130	New and Emerging Technologies and Trends	Hierarchical Control and Fault Protection in Future Meshed HVDC Super grids	Suyash Kushvaha	Department of Sustainable Energy EngineeringÂ IITÂ KANPUR

131	New and Emerging Technologies and Trends	From Diesel to Digital: Replacing DG Sets with Battery Energy Storage Systems for a Sustainable Future	Dr. S. Hemamalini	Vellore Institute of Technology Chennai
132	New and Emerging Technologies and Trends	From Data to Decisions: A Big Data Framework for Consumer Segmentation and Revenue Intelligence in DISCOMs	Akansha Kansal	Noida Power Company Limited (NPCL)
133	New and Emerging Technologies and Trends	Adaptive Graph-Based Frameworks for Resilient Active Distribution Networks	Vineeth Vijayan	Indian Institute of Technology Jodhpur
134	New and Emerging Technologies and Trends	Sector Coupling between Green Hydrogen and Steel: Machine Learningâ€“based Estimation of Levelized Cost of Steel	Pratham Rajkumar Goel	HSBC & IIT Gandhinagar
135	New and Emerging Technologies and Trends	WI_COM Wireless Bridge in Substation Automation	Om Prakash Rathore	TPWODL
136	New and Emerging Technologies and Trends	Strategic Framework of Responsible Artificial Intelligence Ecosystem for Future Readiness of Power Utilities	Samir Chaudhuri	Power Grid Corporation of India Ltd.
137	New and Emerging Technologies and Trends	DG Set Replacement with Battery Energy Storage Systems (BESS) in Lakshadweep	Vijay Dhonde	Orangecurrent Technologies Private Limited
138	New and Emerging Technologies and Trends	Innovative Approach towards AR & SR Protection scheme Testing by Soft current simulation	Sanjay Kumar Prasad	TP Western Odisha Distribution Limited
139	New and Emerging Technologies and Trends	Utilizing Advanced Computer Simulations for Optimizing Grounding System Design for Large-Scale Solar Power Plants Through Impact of Multi-Region Multi-Layer Soil Resistivity Structures	Chandra Shekhar Sharma	Vision Power Analytics Private Limited
140	New and Emerging Technologies and Trends	Quantum-Enhanced Predictive Maintenance for Power distribution Assets	Devesh Verma	BSES Rajdhani Power Ltd
141	New and Emerging Technologies and Trends	Fast-Track and Low-Investment Hydrogen Production: PLNâ€™s Pioneering Approach in Indonesia	Devni Syafrianto	PT PLN (Persero)
142	New and Emerging Technologies and Trends	Smart Wireless Sensor Network for Enhancing Safety in Low Voltage Distribution Grids	Dr Devi Maheswaran	Rajalakshmi Engineering College
143	Evolving Architecture of the 21st Century Grid with Two Way Power Flows	Voltage Profile Analysis in Prosumer-Driven Distribution Grids with High Solar PV Penetration	Sanjaykumar Gandabhai Prajapati	Gujarat Power Research and Development Cell

144	Evolving Architecture of the 21st Century Grid with Two Way Power Flows	Empowering Prosumers: Blockchain-Enabled P2P Solar Trading Integrated with Virtual Power Plants in the Indian Power System	Garapati Srinivas Ajith Babu	Fluentgrid Limited
145	Evolving Architecture of the 21st Century Grid with Two Way Power Flows	General Network Access and Grid Modernisation: Implications for Renewable Energy Zones, Green Energy Corridors, and Captive Power Integration in Indiaâ€™s Net Zero Pathway	Nishitha Das	TERI School of Advance Studies
146	Evolving Architecture of the 21st Century Grid with Two Way Power Flows	Strengthening Underground Cable Networks for Reliable and Flexible Distribution Systems	Sanjeev Kumar Atri	Tata Power Delhi Distribution Limited
147	Evolving Architecture of the 21st Century Grid with Two Way Power Flows	SIM-Based Secure Connectivity for Utility Operations in Non-MPLS Feasible Areas	Pritesh Kumar Srivastava	TPWODL
148	Evolving Architecture of the 21st Century Grid with Two Way Power Flows	Integrated Ring-Based Network Architecture for IT and OT Service Segregated	Swagat Narayan Mohanty	TPWODL
149	Evolving Architecture of the 21st Century Grid with Two Way Power Flows	Advanced Network Management System for OT: A Unified Approach to Digital Utility Operations	Ankur Kaushik	Tata Power Distribution Limmited
150	Evolving Architecture of the 21st Century Grid with Two Way Power Flows	Planning and Design of Distribution Grid with Prosumers and Electric Vehicles and Distributed Energy Resources	Neeraj	Tata Power Delhi Distribution Limited
151	Evolving Architecture of the 21st Century Grid with Two Way Power Flows	Reimagining Distribution Grid Planning: Integrating Prosumers, EVs, and DERs through Integrated Distribution Resource Planning	Adarsh Nagarajan	BSES Rajdhani Power Limited
152	Evolving Architecture of the 21st Century Grid with Two Way Power Flows	Uncovering the Hidden Prosumers: Integrating SME Clusters into the Distribution Grid Architecture	Hemant Menaria	Cognizant Technology Solutions Pvt. LTd.

153	Foundational Blocks for Smart Grids	Optimize Auto-recloser and Sectionalizer Placement for Reliability Improvement in a Radial Distribution Network.	Aditya Kumar Pati	TP Western Odisha Distribution Limited

Guidelines for the submission of Full ISUW 2026 Technical Paper for the selected abstracts:

- Full Paper: Authors of shortlisted papers will be required to submit the full paper in IEEE paper format by 1st December 2025. (Max: 6 pages / 1200 words and 10 MB word and pdf file).
- Download the format from the following link: Click Here
- For queries email us at aashima@indiasmartgrid.org