India **SMART UTILITY** Week **2023**

28 February - 04 March 2023

📍 The Lalit Hotel, New Delhi

ORGANIZER
ISGF
India Smart Grid Forum

ISUW 2023
9th Edition of
India Smart Utility Week
An International Conference
& Exhibition on
Smart Energy & Smart Mobility
www.isuw.in

28 February 2023 Tuesday	01 March 2023 Wednesday	02 March 2023 Thursday	03 March 2023 Friday	04 March 2023 Saturday
Special Workshops & Master Classes	Conference & Exhibition	Conference & Exhibition	Conference & Exhibition	Technical Tours, Demonstrations & Cultural Tours

ISGF INNOVATION AWARDS : 03 MARCH 2023

SUPPORTED BY

नीति आयोग
National Institution for Transforming India

Ministry of External Affairs
Government of India

Ministry of Electronics & Information Technology
Government of India

Ministry of Jal Shakti
Government of India

MINISTRY OF POWER
GOVERNMENT OF INDIA
CENTRAL ELECTRICITY AUTHORITY

Ministry of Environment, Forest and Climate Change

Ministry of Heavy Industries
Government of India

ISUW 2023

CONFERENCE

AGENDA

POWERED BY

◉ **Hitachi Energy**

CONFERENCE AGENDA SUMMARY

EVENT DAY-1: 28 FEBRUARY 2023 (TUESDAY) SPECIAL WORKSHOPS AND MASTER CLASSES	
Regency 1&2	
10:30 ~ 13:30	Introductory Course on **Transformers and Generative AI**: OpenAI GPT-3, ChatGPT and AI Tools for *Text 2 Text (T2T), Audio 2 Text (A2T), Text 2 Audio (T2A), Text 2 Image (T2I), Image 2 Text (I2T), Text 2 Video (T2V), Text 2 Motion (T2M), Text 2 Code (T2C), Brain 2 Text (B2T), Audio 2 Audio (A2A)* etc.
14:00 ~ 17:30	OCPP Technical Workshop and Training (In Collaboration with Open Charge Alliance)
Regency 3	
10:30 ~ 17:00	Master Class on Energy Transition Strategies and Pathways to Net Zero (**Course Certified by IEEE**)
Regency 5	
10:30 ~ 13:30	IEC-IEEE Smart Energy Standardization Coordination Workshop (in collaboration with BIS, IEC and IEEE)
14:00 ~ 17:30	Master Class on Blockchain, Web 3.0 and Metaverse for Utilities
RECEPTION FOR INVITED SPEAKERS (SPONSORED) **Time: 18:30 onwards**	

THEME-A: INDIA@100 in 2047 - NET ZERO POWER SECTOR

Session-1: Vision for a Net Zero Power Sector
Session-2: Evolving Architecture of the Net Zero Power Sector
Session-3: Climate Proofing of Future Grids and Advanced Materials for Extreme Weather Events

THEME-B: INDIA@100 in 2047 - NET ZERO TRANSPORT SECTOR

Session-1: Vision for a Net Zero Transport Sector in India
Session-2: 50K Electric Bus Program
Session-3: Evolving Trends in Electric Mobility - Green Mobility, Grid Integrated Vehicles (GIV), Autonomous Ground Vehicles (AGV)

THEME-C: TECHNOLOGICAL PATHWAYS TO NET ZERO POWER SECTOR

Session-1: 250 million Smart Meter Rollout - Progress and Challenges
Session-2: Digitalization of Utilities, Digital Twins and Digitalization Roadmaps
Session-3: Power System Flexibility - Strategy and Solutions

THEME-D: TECHNOLOGICAL PATHWAYS TO NET ZERO TRANSPORT SECTOR

Session -1: Electric Highways, Wireless Charging, Charging Infrastructure for Flying Machines
Session-2: MW-scale Charging Systems for EVs, Trucks and Buses, Boats, Planes and Mining Machinery

THEME-E: CROSS CUTTING THEMES

Session-1: Regulations for the Net Zero Power System
Session-2: Customer Experience
Session-3: AI, ML, Robotics and Generative AI for Utilities
Session-4: Blockchain, Web 3.0 and Metaverse for Utilities
Session-5: Energy Positive Buildings and Campuses
Session-6: Carbon Markets
Session-7: Policies and Regulations to Promote Digital Management of Distributed Solar PV

EVENT DAY-2: 01 MARCH 2023 (WEDNESDAY)

INAUGURATION OF ISUW 2023 CONFERENCE AND EXHIBITION

India 10:00 to 12:30

LUNCH BREAK + TOUR OF ISUW 2023 EXHIBITION

India 13:00 ~ 14:00

CONFERENCE THEMATIC SESSIONS

14:00 ~ 16:00	THEME-A: Session-1: Vision for a Net Zero Power Sector (Session Partner - Hitachi Energy)
16:00 ~ 18:00	THEME-E: Session-1: Regulations for the Net Zero Power System
16:00 ~ 18:00	THEME-A: Session-2: Evolving Architecture of the Net Zero Power Sector
14:00 ~ 16:00	THEME-E: Session-2: Customer Experience in The Digital Age
18:30 ~ 20:00	SPECIAL PLENARY 1: **MINISTERIAL SESSION**: **India @100 in 2047 - Vision for Net Zero Energy and Transition Sectors and Circular Economy for a Net Zero India in 2070**

WORKSHOPS

14:30 ~ 17:00	9th US - India Smart Grid Workshop (in Collaboration with US DOC and USAID)

SEMINARS

14:00 ~ 17:00	Smart Communications for Smart Utilities and Smart Cities In collaboration with DOT, TEC and TSDSI

ROUNDTABLES

14:00 ~ 17:00	District Cooling System (DCS) - in Collaboration with BEE, APUEA, and GIZ

ISUW - WELCOME RECEPTION AND DINNER

India 20:30 ~ 23:00

EVENT DAY-3: 02 MARCH 2023 (THURSDAY)

CONFERENCE THEMATIC SESSIONS

10:00 ~ 11:30	THEME-A: Session-3: Climate Proofing of Future Grids and Advanced Materials for Extreme Weather Events
11:30 ~ 13:30	THEME-C: Session-1: 250 million Smart Meter Rollout - Progress and Challenges
10:00 ~ 11:30	THEME-B: Session-1: Vision for a Net Zero Transport Sector in India
11:30 ~ 13:30	THEME-B: Session-2: 50K Electric Bus Program
14:00 ~ 15:30	THEME-E: Session-3: AI, ML, Robotics and Generative AI for Utilities
16:00 ~ 17:30	THEME-E: Session-4: Blockchain, Web 3.0 and Metaverse for Utilities
14:00 ~ 17:00	HYDROGEN MISSION (Lead by NITI Aayog & MNRE
18:00 ~ 20:00	SPECIAL PLENARY-2: **Architecture and Energy Systems for Colonizing the Moon and the Mars**

WORKSHOPS

10:30 ~ 13:30	12th EU-India Smart Grid Workshop-Part A: Smart Solutions for Renewables Integration - Session-1: BRIDGE Projects; Session-2: Curtain Raiser Smart Grid Observatory
14:30 ~ 17:30	2nd Germany - India Smart Grid Workshop (In Collaboration with GIZ)

SEMINARS

10:30 ~ 12:00	Theme-E: Session-5: Energy Positive Buildings and Campuses (In Collaboration with GBCI)
12:00 ~ 13:30	Unmanned Aircraft Systems (UAS) and Drones (Delivery and Passenger) - Session 1: Battery Charging Systems; Session 2: Navigation Systems
14:00 ~ 17:30	Cross-border Electricity Trade in the South Asian Region in collaboration with the EU

ROUNDTABLES

10.30 ~ 13.30	Theme E: Session-7: Policies and Regulations to Promote Digital Management of Distributed Solar PV (In Collaboration with IEA)
14:00 ~ 17:30	Smart Water Distribution

LUNCH BREAK + TOUR OF ISUW 2023 EXHIBITION
India 13:00 ~ 14:00

EVENT DAY-4: 03 MARCH 2023 (FRIDAY)

CONFERENCE THEMATIC SESSIONS

10:00 ~ 11:30	THEME-B: Session-3: Evolving Trends in Electric Mobility - Green Mobility, Grid Integrated Vehicles (GIV), Autonomous Ground Vehicles (AGV)
10:00 ~ 11:30	THEME-C: Session-2: Digitalization of Utilities, Digital Twins and Digitalization Roadmaps
11:30 ~ 13:00	THEME-D: Session-1: Electric Highways
11:30 ~ 13:30	THEME-C: Session-3: Power System Flexibility – Strategy and Solutions
14:30 ~ 16:00	THEME-D: Session-2: MW-scale Charging Systems for EVs, Trucks and Buses, Boats, Planes and Mining Machinery
16:00 ~ 17:30	Special Session on Power of Media in Promotion of Green Energy and Energy Transition to Net Zero

WORKSHOPS

11:00 ~ 13:30	Theme-E: Session-6: Carbon Markets (In Collaboration with IEX) -
14:00 ~ 17:30	Interconnection of Regional Grids in Asia – South Asia Grid, GCC Grid, ASEAN Grid: Session 1- Cross Border Electricity Trade across Regions; Session 2 - Regional and Inter-Regional Power Markets (In Collaboration with EU, USAID, ISA*, GCCIA* and ACE*)

SEMINARS

10:00 ~ 17:30	Presentation of Technical Papers - Group: 1 to 4 (28 Select Papers)

ROUNDTABLES

10:30 ~ 13:00	Special Session on LiFE and Relevance of Gender
14:00 ~ 17:00	Smart City Gas Distribution

LUNCH BREAK + TOUR OF ISUW 2023 EXHIBITION
India 13:00 ~ 14:00

EVENT DAY 4: 03 MARCH 2023 (FRIDAY)
VALEDICTORY FUNCTION OF ISUW 2023
&
ISGF INNOVATION AWARDS CEREMONY
AND GALA DINNER
Crystal 1&2
India 18:30 ~ 23:00

EVENT DAY 5: 04 MARCH 2023 (SATURDAY)
DEMONSTRATIONS, TECHNICAL AND CULTURAL TOURS

TECHNICAL TOURS AND DEMONSTRATIONS	
Tour-1	NRLDC+REMC+TPDDL LAB + 10 MW BESS
Tour-2	800 kV HVDC STATION IN AGRA + TAJ MAHAL*
CULTURAL TOURS	
Tour-3	TAJ MAHAL + AGRA
Tour-4	DELHI

*Being confirmed

Tours 1 & 2 are part of ISUW Package; Tours 3 & 4 can be arranged any day of the event and to be paid directly to the authorized Tour Operator