



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



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Ministry of New and Renewable Energy
Government of India



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Ministry of External Affairs
Government of India



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Ministry of Jal Shakti
Government of India



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National Institution for Transforming India



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Ministry of Heavy Industries
Government of India



सत्यमेव जयते

MINISTRY OF POWER
GOVERNMENT OF INDIA
CENTRAL ELECTRICITY AUTHORITY



सत्यमेव जयते

Ministry of Electronics &
Information Technology
Government of India



Ministry of Environment, Forest
and Climate Change

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 <i>Text 2 Text (T2T)</i> , <i>Audio 2 Text (A2T)</i> , <i>Text 2 Audio (T2A)</i> , <i>Text 2 Image (T2I)</i> , <i>Image 2 Text (I2T)</i> , <i>Text 2 Video (T2V)</i> , <i>Text 2 Motion (T2M)</i> , <i>Text 2 Code (T2C)</i> , <i>Brain 2 Text (B2T)</i> , <i>Audio 2 Audio (A2A)</i> etc.
14:00 ~ 17:30	OCPD 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)
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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

SUMMARY OF THEMATIC SESSIONS

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	9 th US - India Smart Grid Workshop (in Collaboration with US DOC and USAID)
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SEMINARS

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

14:00 ~ 17:00	HYDROGEN MISSION (Lead by NITI Aayog & MNRE)
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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
14:00 ~ 17:00	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
11:30 ~ 13:30	District Cooling System (DCS) - in Collaboration with BEE, APUEA, and GIZ)
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	2 nd 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)
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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