



The
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World Conference On Renewable Energy and Sustainable Energy



March 18–20, 2027



Osaka, Japan



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WCRESE-2027@iconicmeetings.us



<https://www.sustainableenergy.theiconicmeetings.com/>

Day 1 (March 18, 2027)	
08:30-09:30	Registrations Main hall
09:30-09:35	Introduction
09:35-10:00	Opening Ceremony
Plenary session	
10:00-10:40	Title:A Critical Review of Net Zero Targets Set by Indian Cities and Enterprises Sai Sailaja Bharatam, <i>NMIMS, India</i>
10:40-11:20	Title: Wind Energy in India, Technologies and their Techno-Economic Analysis Rameshwar Prasad Gupta, <i>Secretary of the Ministry of Environment, India</i>
11:20-11:35	Refreshments Break@ Foyer
Keynote Session	
11:35-12:10	Title: Life Cycle Assessment of Steel and Composite Pipeline Materials for Hydrogen Transmission: A Comparative Methodological Framework Frances Amadhe, <i>Robert Gordon University, United Kingdom</i>
12:10-12:45	Title:Hydropower and Integrated Water-Energy Systems for Sustainable Development Guoqing Shi, <i>Hohai University, Nanjing, China</i>
12:45-13:00	Group Photo & Networking Session
13:00-14:00	Lunch Break
14:00-14:35	Title:Climate Risk and Energy Strategy: Enabling the Energy Transition through Innovation Gabrielle Walker, <i>Cambridge University, United Kingdom</i>
14:35-15:10	Title:Bio-Based Alternatives to Fossil Fuels: Pathways to Energy Sustainability Kaisa Hietala, <i>University of Oulu, Finland</i>

Featured Talks

15:10-15:45 **Title: Bidirectional charging for batteries with the protective system**
Mohamed Raheil, *Azzawiya oil refining company, Benghazi*

16:15-16:30 Refreshments Break@ Foyer

16:30-18:00 **Title:Flexible Thin-Film Solar Cells for Wearable Power Applications**
Jenn Fang Su, *Chang Gung University, Taiwan*

Speaker Slots Available

Cocktail Party @18:00 onwards

Day 2 (March 19, 2027)

08:30-09:30 Registrations in Main Hall

Plenary Session

09:30-10:10 **Title:Artificial Intelligence in Smart Grid Operations and Renewable Forecasting**
Zhao Yang Dong, *City University of Hong Kong, Hong Kong (China)*

10:10-10:50 **Title:Policy-Driven Energy Transition for Climate-Resilient Power Infrastructure**
Dai-Yeun Jeong , *Asia Climate Change Education Center, South Korea*

Keynote session

10:50-11:35 **Title:Thermal management of solar roof tiles and the underlying air and attic layers**
Yu-Bin Chen, *National Tsing Hua University, Hsinchu City, Taiwan*

11:35-11:50 Refreshments Break@ Foyer

Featured Talks

11:50-12:20	Title: Emissions Accounting in British Columbia Post-Secondary Institutions: A Comparative Study Hoang N. Tran , <i>Kwantlen Polytechnic University, Canada</i>
12:20-12:50	Title: Metal–Organic Frameworks (MOFs) for Hydrogen Storage and CO ₂ Capture Matthew Hill , <i>Monash University, Australia</i>
12:50-13:20	Title: Resilient Control Architectures for Smart and Microgrid Systems Sukumar Kamalasadan , <i>University of Toledo, USA</i>
13:20-14:20	Lunch Break
14:20-14:50	Title: Sociotechnical Pathways for Renewable Energy Transitions in Eastern Europe Hedda Thomson Ek , <i>Central European University, Austria</i>
14:50-15:20	Title: Integration of Solar-Thermal Hybrid Systems in Urban Infrastructures Jyldyz Abdyrakhmanova , <i>Instituto Superior Técnico, University of Lisbon, Portugal</i>
15:20-15:50	Title: Community-Based Microgrid Systems for Rural Electrification in Sub-Saharan Africa Lilian Davidegbunu , <i>African University of Science and Technology, Nigeria</i>
Speaker Slots Available	

Day 3 (March 20, 2027)	
08:30-09:30	Registrations in Main Hall
Plenary session	
09:30-10:00	Title: Optimization of Wind Turbine Blade Materials for Enhanced Efficiency Sadiya S Silvee , <i>Zhengzhou University, China</i>

10:00-10:30	Title:Digital Twin Modeling for Sustainable Building Energy Management Systems Noha Saleeb , <i>Middlesex University, United Kingdom</i>
10:30-11:30	Title:Integrating Renewable Energy into Agricultural Systems for Sustainable Development Michelle Rosa , <i>Federal University Of Pelotas, Brazil</i>
11:30-11:45	Refreshments Break@ Foyer
11:45-11:15	Title:Biomass Energy Conversion and Rural Sustainability in Latin America Ana Ximena Aguirre Osorio , <i>Universidad De Guadalajara, Mexico</i>
11:15-11:45	Title:Life Cycle Assessment of Renewable Energy Technologies in Urban Contexts Maria Beatrice Falasconi , <i>Università Campus Bio-Medico Di Roma, Italy</i>

Speaker Slots Available

Sponsors/Exhibitors

