

World Summit on
**RENEWABLE &
NON-RENEWABLE
ENERGY**



MARCH 11TH, 2025 | VIRTUAL EVENT

Virtual: Zoom Meeting (GMT+1) Time in London

09:00–09:15: Registrations

09:15–09:30: Opening Ceremony

DAY 1

MARCH 10, 2025

Keynote Presentations

09:30–10:10

Kiran Tota–Maharaj
The Water Research Centre Ltd (WRc), UK

Title: Adapting Caribbean Hydrosystems to a Changing Climate:
Resilient Water, Stormwater, and Wastewater Infrastructure

10:10–10:50

Ismail Hakki Kara
Karabuk University Engineering Faculty, Turkey

Title: Microstructure characterization and Corrosion Resistance of
Zinc alloys modified by Sc

Group Photo | Coffee Break 10:50–11:10 @ Foyer

Oral Presentations

11:10–11:35

Hadi Sarvari
Birmingham City University, UK

Title: Perceived Critical Success Factors (CSFs) in the Development
of Construction Small and Medium–sized Enterprises (SMEs) in
Developing Countries

11:35–12:00

Mingzhi Wang
Harbin Institute of Technology, China

Title: Image–based Simulation of the Mesoscopic Environment–
material Interaction

Session Introduction

Tracks

Electrical Batteries for Renewable Energy | Sustainable and Renewable Energy |
Combustion Engines & Electrical Vehicles | Climate Change Challenges & Sustainability | Energy
Storage, Generation and Transmission | Green Building Materials and Energy–saving Buildings

Session Chair: Kiran Tota–Maharaj, The Water Research Centre Ltd (WRc), UK

12:00-12:25

Forrest Wu

Lijou and Associates Consulting Engineers,
Taiwan

Title: Innovative Eco-Friendly Housing Solutions Redefining
Sustainable Living and Space Efficiency in Taiwan

Lunch Break 12:25-13:20

13:20-13:45

Michelle Maura Ribeiro

Pontifical Catholic University of Minas Gerais,
Brazil

Title: Geobim for Railroad Infrastructure – Modernizing Federal
Public Management through the Adoption of BIM & GIS in the
Context of Brazilian Cross-Investment and ESG

13:45-14:10

Duane Tristan Lawal

Melanized Limited, UK

Title: Solar Integration Innovation – A Revolutionary Approach to
Building Infrastructure through Integrated Solar Roofing Systems

14:10-14:35

Hadi Sarvari

Birmingham City University, UK

Title: Bridging to a Safer Future: Strategies for Integrating Safety I
and Safety II in the Construction Industry

14:35-15:00

Feria Gharakhanzadeh

Gharakhanzadeh Architecture, Austria

Title: Overbuild

15:00-15:25

Anwaar Al Habsi

UAE University, UAE

Title: Advancing Self-Healing Concrete with Microbial Technologies
and Sustainable Calcium Extraction in the UAE

15:25-15:50

Srinath Tangaragu

GE Vernova, UK

Title: 40% Increase in House Efficiency by Preparing for Artificial
Intelligence

15:50-16:15

Matías A. Valenzuela

Pontifical Catholic University of Valparaíso, Chile

Title: Will be announced soon

16:15-16:40

Rui Pang

Henan University of Technology, China

Title: Experimental and Analytical Study on Vertical Bearing Behavior
of Discretely Connected Precast Concrete Floors with Four Sides
Simply Supported

Panel Discussion & Certificate Felicitation

Day -1 Ends

DAY 2

MARCH 11, 2025

Zoom Meeting (GMT+1) Time in London

09:00-09:20

Piyali Halder

Department of Physics, Jadavpur University,
India

Title: Piezo– Bio–Nanocomposite Membrane for Simultaneous
Organic Pollutant Degradation and Clean Energy Generation from
Wastewater

09:20-09:40

Indrajit Mondal

Department of Physics, Jadavpur University,
India

Title: Piezo– Bio–Nanocomposite Membrane for Simultaneous
Organic Pollutant Degradation and Clean Energy Generation from
Wastewater

09:40-10:00

Nikhil Jayaraj

Curtin University, Bentley, Western Australia

Title: Consumer behaviour and decision–making process: A study of
solar energy storage adoption among residential users in Australia

10:00-10:20

Xiaohong Ji

South China University of Technology, 510641,
P.R. China

Title: A Simple Strategy for Single–crystalline GaS Flakes and its
Self–powered Photodetection Performance

10:20-10:40

Evgeny Grigoryev

Merzhanov Institute of Structural Macrokinetics
and Materials Science Russian Academy of
Sciences, Russia

Title: Features Of High–Voltage Consolidation Of Powder Materials

10:40-11:00

Kirk Phillips

Air Force Office of Energy Assurance (AF OEA),
USA

Title: Accelerating Installation Energy Resilience for Mission
Assurance

11:00-11:20

Salem A. G. Saleh

Karabuk University Engineering Faculty, Turkey

Title: Microstructure Characterization and Corrosion Resistance of
Zinc Alloys Modified by Sc

11:20-11:40

Charbel Nouhra

Grenoble Alpes University, France
University of Orleans, France

Title: Investigation of Heat and Mass Transfer during Thermal
Runaway of Li–ion Batteries: Focus on the Role of Solid particles

Panel Discussion | End