

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

Construction Market Research and Industry Analysis | Environmental Engineering | Environment–Friendly Construction and Development | Civil Engineering and Architecture | Environmental Protection | Construction Safety Management

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 Gharakhzadeh

Gharakhzadeh 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

Osman Adiguzel

Firat University, Department of Physics, Turkey

Title: Shape Reversibility and Memory Characteristics of Shape Memory Alloys

10:20-10:40

Xiaohong Ji

South China University of Technology, China

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

10:40-11:00

Evgeny Grigoryev

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

Title: Features Of High–Voltage Consolidation Of Powder Materials

11:00-11:20

Kirk Phillips

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

Title: Accelerating Installation Energy Resilience for Mission Assurance

11:20-11:40

M Ashraf Khan

Saginaw Valley State University, University
Center, USA

Title: A study of partial energy harvesting by solar cages and sustainability

11:40-12:00

Ahmed Ekgam

Brega Petroleum Marketing Company, Libya

Title: Accelerating Installation Energy Resilience for Mission Assurance

12:00-12:20

Salem A. G. Saleh

Karabuk University Engineering Faculty, Turkey

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

12:20-12:40

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

12:40-13:00

F. Boukazouha

Research Center in Industrial Technologies,
CRTI, EChahid Mohammed ABASSI, Algeria

Title: Numerical Simulation and Experimental Verification of Mechanical Displacements in Piezoelectric Transformer

13:00-13:20

Jabir Ali Siddique

University of Science and Technology (UST),
South Korea

Title: Effect of Magnesium Content and Processing Conditions on Stretcher Strain Marks in Al-Mg Alloys

13:20-13:40

Jessica Rawles,

North Carolina A&T State University, USA

Title: Exploring Laser Impact Welding for Joining Magnesium and Titanium in Advanced Lightweight Applications

13:40-14:00

Vilas G. Pol

Purdue University, West Lafayette, USA

Title: Solid-State Li-ion Batteries: Engineering Inherent Safety

14:00-14:20

Yakubu Adamu,

Ibrahim Badamasi Babangida University,
Nigeria

Title: Renewable Energy Storage Capacity Rating: A Forecast of Selected Load and Resource Scenario in Nigeria

Panel Discussion | End
