

World Congress on **CIVIL, STRUCTURAL, AND ENVIRONMENTAL ENGINEERING**



MARCH 10-11, 2025, LONDON, UK

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 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

13:30-13:50

Ashish Sawarn

**National Institute of Technology Kurukshetra,
India**

Title: Utilizing Crumb Rubber as a Partial Replacement for Fine Aggregate in Concrete

13:50-14:10

Abdel Rahman Elbakheit

King Saud University, Saudi Arabia

Title: Building Integrated Diffusers' Area Ratio Optimization

14:10-14:30

Jose Luis Miranda Dias

**National Laboratory of Civil Engineering,
Portugal**

Title: Damaging Effects of Severe Wind Actions on Infill Masonry Walls of Reinforced Concrete Buildings and Respective Mitigation

14:30-15:10

Bernd Blobel

University of Regensburg, Germany

Title: Designing and Managing Intelligent and Ethical Transformed Health and Social Care Ecosystems

15:10-15:30

Juliana Gehlen

Universidade de Brasília, Brazil

Title: Enhancing Sustainability in Construction through Building Information Modeling (BIM)

15:30-16:10

Paulo Cesar de Moraes

Catholic University of Brasilia , Brazil

Title: Investigating the Impact of Nanoadditives in Portland-based Cement

16:10-16:30

Yashnil Mohanty

Westmont High School, USA

Title: Predicting Droughts: A Comparative Study of ARIMAX, LSTM, XGBoost, and Random Forest Models

16:30-16:50

Michelle Shah

Royal Agricultural University, UK

Title: Renewable Energy Approach for Wastewater Reuse in Vertical Flow Constructed Wetlands and Solar Powered Drip Irrigation Systems in the Caribbean: A Case Study in the Caroni River Basin, Trinidad and Tobago, West Indies

Panel Discussion