CONFERENCE SCOPE

Building on the tradition established in past ZEMCH Conferences, ZEMCH 2021 will be looking into the interplay between research and practice, providing a forum from perspectives focusing on the delivery of socially, economically, environmentally and humanly sustainable built environments, which accommodate people with different socio-economic backgrounds in developed and developing countries.

CALL FOR PAPERS

You are cordially invited to participate in this conference, and we welcome your abstracts submission with special attention to the below topics as well as any emergent related ones. Abstracts submission is expected no later than 30th December 2020 through the conference website: ZEMCH 2021.

KEY DATES

- Call for Abstracts Opens: 1st November 2020
- Abstract Submission Deadline: 30th December 2020
- Paper Submission Deadline: 1st April 2021
- Paper Review Notification: 1st May 2021
- Final Paper Submission Deadline: 1st July 2021
- Early Bird Registration Opens: 3rd April 2021
- Conference Dates: 26th - 28th October 2021

THEMES AND TOPICS

1. Sustainable Cities & Urban Development
   - Urban Resilience and Climate Change
   - Smart Cities
   - Sustainable Urban Forms
   - Sustainable Real Estate and Development
   - Urban Regeneration
   - Sustainable Transportation
   - Smart City Modelling
   - Environmental Impact Assessment
   - 3D Geographic Information Systems
   - Green Economy and Policies

2. Buildings & Architecture
   - Sustainable Design and Codes
   - Building Resilience and Adaptability
   - Prefabrication and Mass Customization
   - Sustainable Construction Management
   - Inclusive/Personalized Design
   - Energy Efficient Building Materials
   - Sustainability in Education

3. Building Energy, Performance & Technology
   - Value Analysis and Visualization
   - Energy Efficient Technology Integration
   - Building Performance Simulation, Analysis and Verification
   - Building Technology & Digital Fabrication
   - Building Technology
   - Digital Fabrication & IT
   - Collaborative Virtual, Mixed, and Augmented Reality Environments
   - Building Information Management and Modeling
   - Renewable Energy, Performance, Simulation and Verification
   - AI Analysis Tools, IoT and Big Data

4. User Experience & Behavior
   - Humanitarian Design
   - Environmental Experience Design
   - User Behavior and Engagement
   - Post-Occupancy Evaluation
   - Social Impact Assessment
   - Participatory and Evidence-Based Strategies for Sustainable Design
   - Eco-Community Development
   - Community Health and Well-being
   - Social Sustainability and Community Resilience.

KEYNOTE SPEAKERS

- Prof. Mohamed Al-Hussein
  University of Alberta, Canada

- Dr. Liam O’Brien
  Carleton University, Canada

- Dr. Masa Noguchi
  University of Melbourne, Australia