

8TH ZERO ENERGY MASS CUSTOM HOME INTERNATIONAL CONFERENCE

October 26-28, 2021 UNITED ARAB EMIRATES UNIVERSITY, AL AIN, U.A.E

CONFERENCE SCOPE

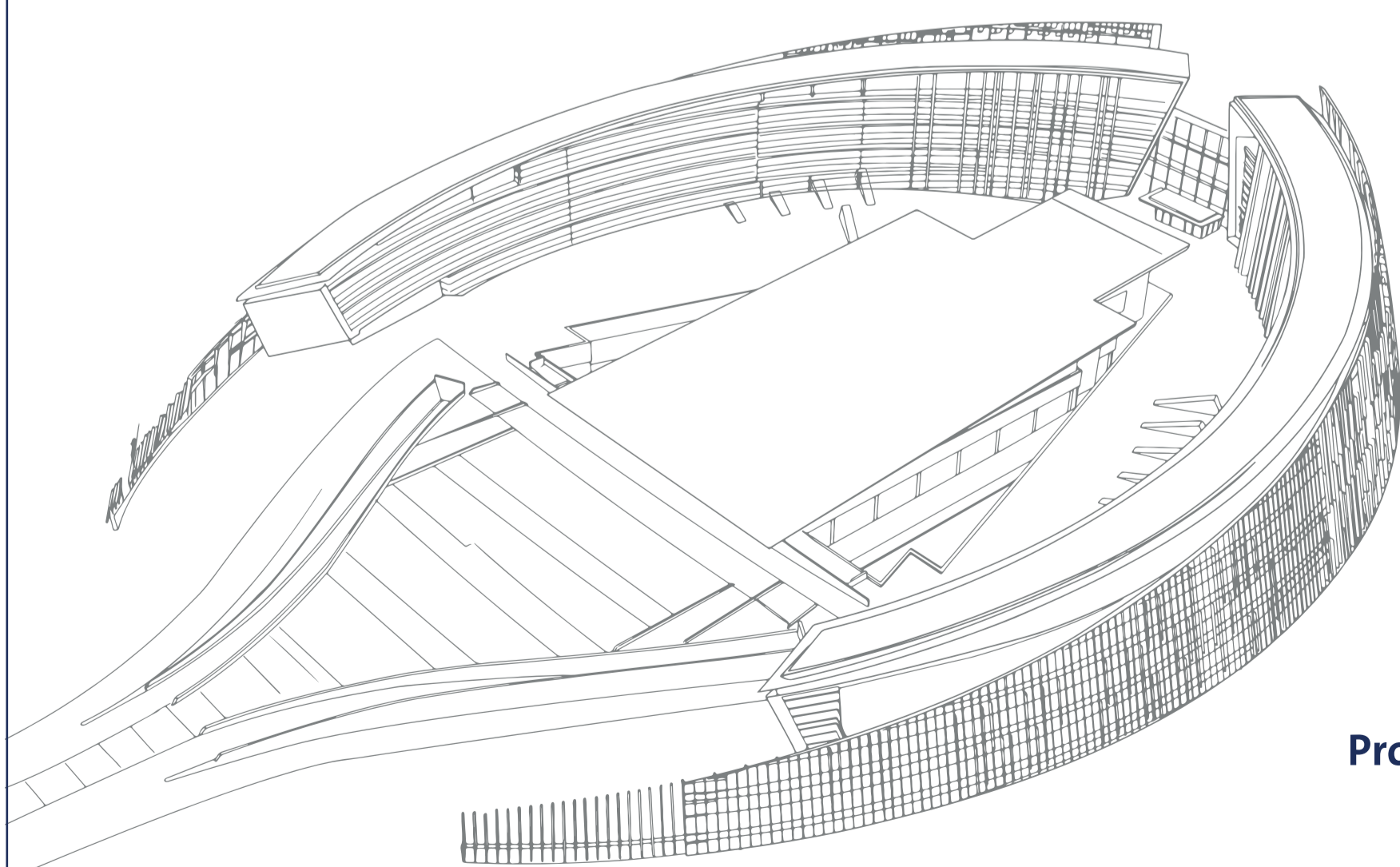
Building on the tradition established in past ZEMCH Conferences, ZEMCH 2021 will be looking into the interplay between research and practice, providing a forum from perspectives focusing on the delivery of socially, economically, environmentally and humanly sustainable built environments, which accommodate 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](http://ZEMCH2021)

KEY DATES

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

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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.

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

KEYNOTE SPEAKERS



Prof. Mohamed Al-Hussein
University of Alberta, Canada



Dr. Liam O'Brien
Carleton University, Canada



Dr. Masa Noguchi
University of Melbourne, Australia