

CALL FOR ABSTRACTS



International Conference on Advances in Sustainable Construction Materials & Civil Engineering Systems (ASCMCES-17)

UNIVERSITY OF SHARJAH, UNITED ARAB EMIRATES

18-20 APRIL 2017



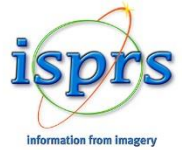
ORGANIZED BY

SUSTAINABLE INFRASTRUCTURE & BUILT ENVIRONMENT
RESEARCH CENTER (SIBERC),
RESEARCH INSTITUTE OF SCIENCES & ENGINEERING (RISE)
Jointly with
DEPARTMENT OF CIVIL & ENVIRONMENTAL ENGINEERING

CO-SPONSORED BY



American Concrete Institute
Always advancing



CONFERENCE TOPICS

This international conference is organized by the Sustainable Civil Infrastructure Systems Research Group and the Sustainable Construction Materials & Structural Systems Research Group of the SIBERC. The conference aims to bring researchers from around the world to share their research findings and address issues related to research in the area of sustainable construction materials, structural and infrastructural systems. The conference intends to be a forum and networking place for academics, researchers, professionals, decision makers, practitioners, and students. The topics of the conference include, but are not limited to the following areas:

SUSTAINABLE CONSTRUCTION MATERIALS

- Advanced Cementitious Materials
- Low Carbon Binders
- Fiber Reinforced Construction Materials
- Engineered Cementitious Composites
- Nano Materials Applications
- Materials Recycling
- Advances in Laboratory Testing
- High Performance Materials
- Green Construction Materials

SUSTAINABLE STRUCTURAL SYSTEMS

- Structural Control and Health Monitoring
- Sustainable Systems Design
- Performance-Based Design
- Seismic Protection and Vibration Control
- Numerical Computation, Simulation, and Modelling

GEOTECHNICAL & GEO-ENVIRONMENTAL

- Soil & Groundwater Contamination and Remediation
- Ground improvement and Reinforced Soil Structures
- Soil Dynamics and Seismic Hazards
- Soil-Structure Interaction
- Centrifuge Modelling of Geotechnical Construction
- Saturated and Unsaturated Soil Mechanics

CONSTRUCTION, PERFORMANCE, & MANAGEMENT

- Condition Rating and Deterioration Modelling
- Sustainable Construction
- Maintenance and Rehabilitation Techniques
- Budget Allocation and Optimization
- Maintenance Scheduling
- Contractual Management
- Asset Management

SUSTAINABLE TRANSPORTATION & PAVEMENT

- Green Roads and Transportation
- Smart Vehicles and Intelligent Transportation Systems
- Highway Safety and Geometric Design
- Transportation Operations & Planning
- Airports and Advances in Pavement Techniques
- Pavement Design, Modelling, Performance, & Management
- Asphalt Binder and Mixture Characterization
- Accelerated Testing of Pavement Structures and Materials

WATER & ENVIRONMENT

- Water and Wastewater Treatment and Reuse
- Drainage, Flooding, and Drought Management
- Modeling & Simulation of Water and Environmental Systems
- Integrated Coastal Zone Management
- Air Pollution Control
- Environmental Impact Analysis and Risk Reduction
- Waste Management and Resource Recovery
- Global Warming Impacts and Mitigation

GIS & REMOTE SENSING APPLICATIONS

- Remote Sensing of Environment
- GIS and Water Resources
- GIS for Transportation (GIS-T)
- Natural Hazard Monitoring and Mapping
- Photogrammetry and 3D Modeling
- Building Information Modeling (BIM)

SUSTAINABLE BUILDINGS & INFRASTRUCTURES

- Green Building Materials
- Energy, Water Efficiency, and Renewable Resources
- Durability and Resiliency
- Risk Analysis and Reliability
- Life-Cycle Assessments

ABSTRACT, SUBMISSION, & PUBLICATION

Prospective authors are invited to submit short Abstracts (no more than 300 words). Authors of accepted abstracts will be invited to submit full papers, which will be reviewed by peers. Only accepted and presented papers will be included in the official publications of the international conference. The proceedings will be indexed in main databases including Scopus, Web of Science, Google Scholar, CAS, Compendex, Inspec, and DOAJ. We are negotiating to publish high quality selected papers in reputed Journals.

TENTATIVE DEADLINES

- Abstract Submission Deadline: **25 September 2016**
- Notification of Abstract Acceptance: **09 October 2016**
- Submission of Full Papers: 30 November 2016 ([Author Instruction](#))
- Peer Review Results: 30 December 2016
- Submission of Final Paper: 30 January 2017

REGISTRATION FEE

- Regular USD 450
- Student USD 200

SUBMISSION OF ABSTRACTS AND CONTACTS

CONFERENCE SECRETARY E-MAIL: ASCM_CES@sharjah.ac.ae

ABSTRACT SUBMISSION LINK: <https://easychair.org/conferences/?conf=ascmc17>

[AUTHOR INSTRUCTIONS](#)

CONFERENCE WEBSITE: <http://www.sharjah.ac.ae/en/Media/Conferences/ASCMCES-2017>

The conference will be held parallel to the [8th International Forum on Engineering Education \(IFEE2017\)](#) and the [4th International Conference towards Sustainable Development \(ICTSD2017\)](#) at University of Sharjah. Delegates presenting in both ASCMCES-17 and IFEE2017 will be required to pay the higher registration fee (USD450 for regular delegates and USD200 for students).