

INTERNATIONAL CONFERENCE ON ADVANCES IN SUSTAINABLE CONSTRUCTION MATERIALS & CIVIL ENGINEERING SYSTEMS (ASCMCES-17)

CONFERENCE TOPICS

SUSTAINABLE STRUCTURAL SYSTEMS

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

SUSTAINABLE CONCRETE TECHNOLOGY

- Advanced Cementitious Materials
- Engineered Cementitious Composites
- Nano Materials Applications
- Advances in Laboratory Testing

RECYCLING FOR SUSTAINABLE CONCRETE

- Materials Recycling
- Green Construction Materials

FIBER REINFORCED CONSTRUCTION MATERIALS

- Low Carbon Binders
- High Performance Materials

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

GEOGRAPHIC INFORMATION SYSTEMS & 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 SOLUTIONS FOR BUILDINGS, CONSTRUCTION AND INFRASTRUCTURES

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

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