

Revised Topics

A. Analysis, Simulation and Sensing

- A1. Structural Health Monitoring and Sensing
- A2. Computer-aided Structural Control and Analysis
- A3. Computational Mechanics
- A4. Structural or Earthquake Simulations
- A5. Analysis and Sensing in Geotechnical Engineering
- A6. Multi-Agent Simulation (MAS)

B. Building Information Modeling (BIM)

- B1. BIM for Planning
- B2. BIM for Design
- B3. BIM for Construction
- B4. BIM for Operation and Maintenance
- B5. BIM for Whole Lifecycle
- B6. Theory and Modeling for BIM

C. Civil (Construction) Information Modeling (CIM)

- C1. CIM for Planning and Design
- C2. CIM for Construction
- C3. CIM for Operation and Maintenance
- C4. CIM for Whole Lifecycle

D. Urban Planning and Architecture

- D1. Urban Planning
- D2. Smart Cities and Smart Buildings

E. Surveying

F. Visualization

G. Virtual Reality and Augmented Reality (VR/AR)

H. Automation and Robotics for Construction

I. Asset Management and Maintenance Management

J. Facility Management and BEMS/HEMS

K. Big Data, Data Mining and Machine Learning

L. Education

M. Others