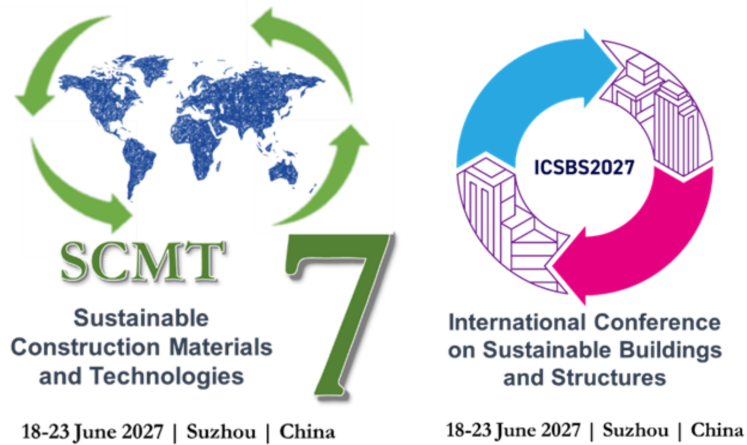


# SCMT7-ICSBS2027



**Friday 18 June 2027 - Wednesday 23 June 2027**

**Suzhou**

## **Programme**

# Main Group

## **Group 1: Efficient & Sustainable Use of Construction Materials**

- Low-carbon and alternative cementitious materials
- Recycled and secondary aggregates
- Sustainable, high-performance, and low-carbon materials
- Innovations in material manufacturing and processing

## **Group 2: Technological Advances for Sustainable Practice**

- Methods and tools for sustainable construction materials
- Advanced mix design approaches
- Effective waste and resource management
- Microscopy, microanalysis, and advanced characterisation techniques

## **Group 3: Designing Structures & Buildings for Sustainability**

- Service life design, Life cycle analysis (LCA), and performance modelling
- Structural engineering solutions for sustainability
- Design for extreme or hot climates
- Structural health monitoring and retrofitting

## **Group 4: Sustainable Urban Planning, Design, and Resilient Cities**

- Governance, policy, and planning tools for sustainable cities
- Green infrastructure, sponge cities, and nature-based urban solutions
- Public perception, acceptance, and implementation challenges
- Urban heat island mitigation and outdoor thermal comfort

## **Group 5: Smart, Resilient, and Intelligent Built Environments**

- Building performance simulation and evaluation
- AI, digital twins, BIM/CIM, and data-driven design
- Digital fabrication, robotics, and advanced construction methods
- Smart buildings and intelligent built environments

# Poster