

# SCMT3



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American Concrete Institute®  
Advancing concrete knowledge



**Date: August 19 (Mon) – 21 (Wed), 2013**  
**Venue: Kyoto Research Park**

The construction materials industry is a major user of the natural resources. While enormous progress has been made towards sustainability, the scope and opportunities for further improvements are significant. The focus of this conference series is to highlight researches and developments that show new and innovative ways of achieving sustainability of construction materials and technology. This third international conference has been planned after the successful first two International Conference on Sustainable Construction Materials and Technology, which were conducted in Coventry, U.K. in 2007 and in Ancona, Italy in 2010. These conferences were attended by government officials, engineers from government and private industry, engineering faculty and students, materials suppliers, construction companies, and others. While the conference highlighted current practice and research in sustainable construction materials, it also showed that more research and implementation work remains to be done in this area. The main aim of this third international conference is to continue this technology transfer effort.



Kyoto is one of the oldest and the most famous cities in Japan. Kyoto, which is a very small prefecture, is located in the middle of Japan.

## Call for Papers

### 1. Maintenance, Repairs, Retrofitting and Upgrade

Structural health monitoring and advanced sensing, Strengthening and repair methods, Coating and surface treatments, Long-term performance of existing structures and case studies, Assessment of structural condition, Electrochemical techniques, Retrofitting for seismic loads

### 3. Durability of Concrete

Long-term exposure tests and deterioration mechanisms, Alkali-silica reaction, Freezing and thawing reaction, Carbonation and salt damage, Damage by chemical substances, Test methods for performance criteria

### 2. Recycled Materials and Supplies

Recycling, zero-emission, reduce and inverse materials, Environmental conscious materials, Green products (Coal combustion product, Steel-making slag, waste glass etc.), Mitigation of carbon dioxide emissions

### 4. Life Cycle Management

Life cycle economy, Environmental design, Integration of structural and durability design, Physical properties and constitutive response, Performance under severe environment, Environmental impacts

**Technical Exhibition:** Recent advanced technology and R&D applications will be presented as technical exhibitions by material suppliers, design offices, engineering and construction firms. All inquiries about technical exhibitions should be directed to the symposium secretariat.

## Key Dates and Deadlines

- Submission of 300 words abstract: 29 June 2012
- Submission of manuscript: 14 December 2012
- Submission of final manuscript & condensed paper: 15 March 2013

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