

8th International Conference:

Concrete in the Low Carbon Era

9 – 11 July 2012,
Dundee, UK



www.ctucongress.co.uk

1st Announcement : Call for Papers

We are delighted to announce that the next CTU conference will take place at the University of Dundee on 9-11 July 2012. Further information is now available online at www.ctucongress.co.uk and we would ask you to register your interest and to put these dates in your diaries.

The Conference Themes are shown on the right and more information is available on the website along with abstract submission information.

If you have any queries then please feel free to contact us through the website or at ctucongress@dundee.ac.uk

Dr Rod Jones
Chairman of the CTU Conference Organising Committee

Submit an Abstract

Important Dates

1 Sept 2010	Call for Papers Opens (Abstracts)
31 January 2011	Deadline for Abstracts
15 February 2011	Acceptance Notification of Abstracts
1 June 2011	Deadline for Submission of Draft Papers
31 October 2011	Comments on Draft Papers to Authors
1 March 2012	Submission of Final Papers
1 June 2012	Last Registration/Payment for Authors

Conference Themes

1. Low Carbon Design of Structures and Buildings

- Ultra High Performance Concrete
- Approaches to Low Carbon Design
- Low Cost Low Carbon Housing
- Concrete Specification By Performance
- Thermal Mass and Fabric Energy Storage
- Insitu and Precast Hybrid Structural Engineering
- Service Life Design in Hot and Arid Climates

2. Efficient and Sustainable Use of Resources

- Sustainability and Environmental Indicators
- Low Carbon Cementing Materials
- Utilising Recycled and Secondary Aggregates
- Developments in Materials Manufacturing and Processing
- Alternative Reinforcing Materials
- Ashes for Use in Concrete
- Low Carbon Concrete

3. Infrastructure & Transportation Construction & Resilience

- Adaptation of Structures in a Changing Climate
- Durable and Sustainable Infrastructure
- Advances in Concrete for Highway Transportation
- Whole Life Design
- Structural Enhancement and Repair
- Offshore and Marine Environments
- Developments in Repair and Maintenance Technologies

4. Structural Health Monitoring and Life Extension

- Monitoring Ageing Infrastructure
- Remote Monitoring Sensors and Wireless Systems
- Destructive and Non-Destructive Testing
- Integration Into Asset Management
- Electrochemical Repair
- Modelling and Reliability Forecasting
- Case Studies

5. Security and Geohazard Engineering

- Earthquake Resilience
- Design for Blast Resistance
- Flood Protection and Sustainable Urban Drainage
- Retrofitting to Enhance Structural Performance
- Fire Engineering
- Soil, Slope and Rock Stabilisation and Remediation
- Post Disaster Recovery and Repair

6. Renewable Energy

- Role in Infrastructure for Energy Generation
- Concrete for Offshore Wind Turbines
- Low Head Hydro Generation
- Tidal Power Structures
- Subsea Marine Power Generation
- Ageing Dam Infrastructure
- Recent Experience of Dam Construction