

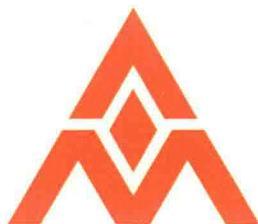


# Proceedings of the 37<sup>th</sup> Cement and Concrete Science Conference

11 - 12 September 2017

Editors

Yun Bai, Mingzhong Zhang & Shi Shi



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## **Welcome to University College London**

On behalf of the conference organising committee, we would like to extend our warmest welcome to all the participants of the 37<sup>th</sup> Cement and Concrete Science (CCS) Conference, hosted by the Advanced and Innovative Materials (AIM) Group in the Department of Civil, Environmental and Geomatic Engineering at University College London.

This annual event is aimed at bringing together academic and industrial scholars and practitioners to exchange their latest research and, thus, to promote the advancement of cement and concrete science and technology. In particular, we have been trying to make this event a platform for our young researchers to develop their own network, which remains the goal of this year's conference.

This year, we have received more than 140 papers from 21 countries under the following themes:

- Hydration and Microstructure of Cement
- Alternative Cementitious Materials and its Application
- Durability of Concrete
- Nuclear Waste Immobilisation
- Cement Manufacture and Low Carbon Technology Related to Cement and Concrete
- Structural and Thermal Performance of Concrete Materials
- Measurement Techniques and Simulation Methods and Tools
- Utilisation of Waste Materials in Cements and Concrete

In particular, it is worth highlighting that there are around 50 papers received from China alone. To certain extent, this also reflects the fact that China is the largest manufacturer and consumer of cement and concrete. A more active research in China is deemed to make important contribution to the sustainability of cement and concrete around the world.

Due to the large numbers of papers received and strong interests generated, this year's conference is organised in three parallel sessions which is, obviously, not the convention of our CCS. However, the organising committee considered it important to provide opportunities to our young researchers, in particular, to share their research at this kind of event. Therefore, this 2-day conference includes two plenary sessions and 18 parallel sessions. There are four keynote lectures, 98 oral presentations and 42 poster presentations to be presented in 2 days.

We would like to thank all of the attendees for participating in this conference. The companies and institutions that have generously sponsored this event is also grateful acknowledged.

We hope you have an interesting, fruitful and enjoyable time during the conference and your stay in London.

***Yun Bai***  
***(Chair)***

***Mingzhong Zhang***  
***(Co-Editor)***

***Shi Shi***  
***(Secretary)***

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