



The Institute of Concrete Technology

<http://ict.concrete.org.uk>

40th Annual Convention/Symposium

22nd March 2012

Cement and Concrete:

Science, Technology and Experience

Cement and Concrete always has been, and continues to be a material that evolves with time. Such evolution up to about 100 years ago was based on experience rather than detailed scientific and technological understanding. Notwithstanding the advances were significant.

However, modern concretes require fundamental understanding of the material both chemically and physically and the last 50 years have seen major advances based on this knowledge. Such advances create new uses and opportunities that have to be adopted into practise based on experience.

We are now at the threshold of new prospects and these needs to be considered and understood.

This Symposium will address these changes, past, present and future given by eminent individuals expert in the various fields.

Sponsored by



A Division of David Ball Group plc

Venue

Bosworth Hall Hotel, The Park, Market Bosworth, Warwickshire, CV13 0LP

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Provisional Programme

21st March 2012	Golf Day	
22nd March 2012	AMM and TECHNICAL SYMPOSIUM	
08.30	Registration opens/coffee	
09.00	Annual Member's Meeting (AMM)	
09.55	Introduction by the symposium Chairman	Professor Peter Hewlett
10.00	Cement Hydration	Professor Fred Glasser, University of Aberdeen, Scotland
10.30	Chemical Admixtures - Science, Technology and Applications over the years	Dr. Bruce Christensen, Head of Global Innovation and Technology Management, BASF
11.00	Questions/Answers	
11.15	Coffee	
11.45	Nano Technology- Cement and Concrete	Professor Karen Scrivener, EPFL, Switzerland
12.15	The development and application of bacteria-based self-healing concrete	Dr. H.M. Jonkers, Delft University of Technology, The Netherlands
12.45	Questions/Answers	
13.00	Lunch	
14.00	The Frederick Lea Memorial Lecture	Dr John Newman, Talent
14.45	Questions/Answers	
15.00	Channel Tunnel to Crossrail, What's changed over the last 25 years?	Peter Shuttleworth Crossrail
15.30	Questions/Answers	
15.45	Tea	
16.15	Back to the future: modern methods of construction and future opportunities in the field of thin concrete shells	Andrea Menardo Happold Ingenieurbüro, Germany
16.45		TBA
17.15	Questions/Answers	
17.30	Summary by Chairman and close	
19.30	Drinks reception hosted by ICT	
20.00	Convention Dinner (also featuring the prize draw in aid of President's charity, ACT Diploma awards, entertainment by a comedian)	
	Donations of prizes for the prize draw are welcome. Please contact ict@concrete.org.uk	
	Exhibition spaces are available. For full details please contact Edwin Trout at ict@concrete.org.uk Raman Mangabhai at raman_mangabhai@o2.co.uk	