46th Annual Convention Symposium

Special Projects
Concrete – the material of choice

22nd March 2018

University of Derby Enterprise Centre, Derby, DE1 3LD

Sir Frederick Lea Memorial Lecture
Professor Karen Scrivener, HonFICT
(EPFL, Switzerland)

Principal Sponsor: LKAB Minerals

Lecture sponsor: ICE Publishing

www.theict.org.uk
Concrete is a global material having a well-established record of use. It might therefore be assumed every type of construction application has been covered at both a pragmatic and fundamental level. However, applications are always stretching the boundaries, resulting in materials changes and new techniques for making, placing and finishing concrete. Performance demands continue to grow affecting strength, appearance, durability, sustainability and costs. This trend is exemplified by show case projects that act as a source of new ideas and opportunities for design and function.

This programme will cover a variety of offshore and onshore constructions together with novel materials and the reasoning behind their successful application. It provides an opportunity to meet those involved with these state-of-the-art projects.

This Symposium will be held during the 46th ICT Annual Convention and includes the 10th Sir Frederick Lea Memorial lecture, presented by Professor Karen Scrivener of the EPFL in Switzerland.

This is an opportunity to pursue concrete’s versatility by way of exemplar projects that reflect opportunity and set the benchmark for exploitation.

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**ANNUAL GENERAL MEETING**

**TECHNICAL SYMPOSIUM**  
*At the Enterprise Centre*

| Chairman’s Introduction | Professor Peter Hewlett  
David Ball Group/University of Dundee |
|-------------------------|-----------------------------|
| Concreting at Hinkley Point | Peter Abel, BYLOR  
and Simon Chudley, Hanson Cement |
| Magnadense in civil engineering applications | Richard Hunt and Mark Moriarty  
LKAB Minerals, UK |
| Cement hydration: the key to optimising environmental performance | Karen Scrivener, Professor of Construction Materials, EPFL, Switzerland |
| Unnoticed art: the beauty of functional concrete. London Bridge Station | Martyn Back, Chief Engineer  
Costain |
| Concrete offshore wind towers, self-floating and telescopic | Javier Neito, Offshore Division Manager, Estevco, Spain |
| Use of high GGBS content in a lock construction in the Netherlands: theory and practice | Marc Ottellé, Senior Consultant Material Science, Heijmans, The Netherlands |
| Managing Heat of Hydration for Large pours using High Performance Concrete in Middle East | V V Giri Raghavan, Deputy General Manager, Unibeton Ready Mix, Dubai |

**CONVENTION DINNER**  
*At the Hallmark Hotel*