

47th Annual Convention Symposium

Efficient Concrete Construction New Materials and Techniques

4th April 2019

Wembley Stadium, Wembley, London

It is perhaps a statement of the obvious that efficiency is always high on the agenda whether the motive is business, financial, professional or personal. The same logic applies to the use of concrete.

Concrete today has to compete with other construction fabrics and as a result has made considerable advances both as a material and how it is used in practice. New materials options and techniques covering the making, placing, curing and finishing have transformed the opportunities offered by concrete.

Changes in concrete's performance capabilities and its efficient application have resulted in design options extending clients' aspirations and creating wellbeing for us all.

These recent changes will be presented and discussed alongside practical case studies at this Convention symposium.

Provisional Programme

Keynote: Next generation of PCE superplasticizers

Professor Johann Plank,
Department of Chemistry, Chair for Construction Chemistry, Technische Universität München, Germany

Efficient use of GGBS in the modern world

James Bibby,
Group Technical and Quality Manager, Francis Flower (LKAB Minerals)

Developments in foamed concrete

Professor Rod Jones,
Concrete Technology Unit, Dept of Civil Engineering, University of Dundee, Dundee

Structural health monitoring

Neil Atkinson,
AECOM

Durability of concretes prepared with crystalline admixtures

Professor Kosmas Sideris,
Department of Civil Engineering, Democritus University of Thrace, Greece

Optimized design and quality control of precast tunnel segments

Dr Sergio H. P. Cavalaro,
Reader in Infrastructure Systems, School of Architecture, Building and Civil Engineering, Loughborough University, Loughborough

Improved planning and control of construction processes, including time and cost optimisation using the 'Concremote method'

James Hurst and Werner Wenighofer,
Doka UK Formwork Technologies Ltd