

DISC2013

Developments in Structural Concrete

This inaugural seminar from *fib*UK, the UK Group of the International Federation for Structural Concrete (www.fibuk.org), will provide practitioners with a valuable update on developments in the design and construction of structural concrete.

The half day event to be held on 6 November 2013, sponsored by Laing O'Rourke builds on the successful collaboration between the Institution and *fib*UK over the past year.

The event features eminent practitioners speaking on subjects ranging from off-site manufacture to service life design, and recent technical developments to practical case studies. Gordon Clark, the current President of *fib*, will provide an overview of international *fib* activity, and Steve Denton, the Chairman of *fib*UK, will describe plans for the future development of Eurocodes.

All delegates will receive a seminar pack containing:

- 100-page *fib* Bulletin 34: Model Code for service design life, as a pdf
- Speakers' powerpoint presentations
- 50-page extract of *fib* Bulletin 66: Model Code 2010 Final draft Vol 2 (chapter 7 on shear), as a pdf
- Contents list of *fib* Bulletin 65: Model Code 2010 Final draft Vol 1
- Hard copy of June 2013 issue of Structural Concrete (the *fib* journal) focussing on *fib* Model Code 2010

Date:

Wednesday, 6 November 2013

Time:

13:45 - 17:30 with registration and tea/coffee from 13:30

Venue:

Institution of Structural Engineers, 11 Upper Belgrave Street, London, SW1X 8BH

Delegate fee:

£70 + VAT

Booking:

Places can be booked on-line at:

www.istructe.org/events

Programme

- 1:30 Registration with tea/coffee
- 1:45 Introduction
Professor Steve Denton, fibUK Chairman
- 1:55 Developments in Design for Manufacturing Assembly (DfMA)
Dr John Stehle, Laing O'Rourke
- 2:25 Serviceability design
Professor Tom Harrison, Consultant and Visiting Industrial Professor at Dundee University
- 2:55 Presidential briefing on *fib* and its activities
Gordon Clark, fib President
- 3:10 Review
Professor Steve Denton
- 3:20 Tea break
- 3:50 Improving ease of use of Eurocodes: a vision for the future
Professor Steve Denton
- 4:05 Shear: Common sense or shear nonsense?
Dr Tony Jones, Arup
- 4:35 Recent developments in concrete cable stayed bridges – the economic alternative?
David MacKenzie, Flint & Neill
- 5:05 Summing up and closing remarks
Professor Steve Denton
- 5:15 Finish

Speakers

Gordon Clarke BSc CEng FStructE FICE

Gordon Clark is a Director at Ramboll and is past Chairman of the independent engineering consultant Gifford. He joined the consultancy in 1976 and was appointed a Director in 1992. He is a Fellow of The Institution of Structural Engineers as well as The Institution of Civil Engineers.

Gordon's career as a leading bridge designer included Project Director for the award-winning Gateshead Millennium Bridge and the Golden Jubilee Footbridges over the Thames.

Lecturing widely and publishing many papers on bridges and other built structures, Gordon has made a major contribution to the advance of technical knowledge and standards throughout the industry especially in the field of post-tensioning.

Gordon is President of the International Federation for Structural Concrete (*fib*) for 2013-2014, Chairman of the British Standards Structural Concrete committee and is a non-executive Board member of CARES, the Certification Authority for Reinforcing Steels.

Professor Steve Denton MS PhD CEng MICE

Steve Denton is Parsons Brinckerhoff's Engineering Director and a Visiting Professor at the University of Bath. He is the Chairman of *fib*UK and was recently appointed as the Chairman of CEN/TC 250, the international committee responsible for the Structural Eurocodes. His interests and experience span many facets of engineering and strategic consultancy, research and construction. In addition to his business and project leadership responsibilities, he retains a high degree of technical involvement in projects.

Professor Tom Harrison BSc PhD

After a period with contractors and consultants, Professor Tom Harrison joined the Concrete and Cement Association. He spent two decades undertaking construction research before being head hunted to join the British Ready-Mixed Concrete Association as its technical director. On reaching retirement age he started working as an independent consultant and continued as a Visiting Industrial Professor at the University of Dundee. He was Chairman of the BSI concrete committee for 19 years and is heavily involved with the European standard for concrete. He is still active in standardisation work and in particular with a small joint working group developing the specification of durability by performance.

Dr Anthony E K Jones BEng PhD CEng FStructE FICE

Dr Anthony Jones works in Arup's London Buildings Group. He has provided technical support and advice on some of the most challenging projects built. Tony sits on the BSI committee responsible for Eurocode 2 within the UK and is the head of the UK delegation to the European committee responsible for Eurocode 2. Anthony has contributed to a number of design guides and has published nearly 30 papers on his work predominantly in the field of structural concrete.

David MacKenzie BE MS CEng FStructE MIHKE MASCE

David joined Flint & Neill in 1984, became a Partner in 1996 and Chief Executive Officer in 2008. He specialises in the design and assessment of long-span bridges and has been involved in the development of codes of practice, particularly wind and seismic related. Currently David is Project Director for the design of the Mersey Gateway Bridge as it moves through preferred bidder status, as well as working on the design of cable supported bridges in the US. He is a Fellow of The Institution of Structural Engineers and a past member of the Standing Committee on Structural Safety (SCOSS).

Dr John Stehle BSc BEng PhD

Dr John Stehle is a Structural Engineering Leader in Laing O'Rourke's Engineering Excellence Group based in London and works on projects around the world. John leads a team of engineers who are focussed on research, development, invention and innovation of new engineering solutions for buildings and infrastructure. John's work at Laing O'Rourke ranges from pure research, where he looks after several of the 20 PhD's that Laing O'Rourke fund, to applied research, testing and product development. This research and development has led to four patent applications as well as many innovative building solutions. John has also worked in Sydney and Dubai.

The *fib*UK group serves as the UK National Member Group to the International Federation for Structural Concrete, usually referred to as *fib* (federation international du beton). *fib* has an exceptional heritage in shaping the state-of-the-art in the use of structural concrete through research, developing guidance, and disseminating latest developments through publications and events. For further information see www.fibuk.org

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Registration is required in advance by visiting the events section of the Institution website, www.istructe.org, and following the instructions provided. Registration will close **Friday 1 November**. Space is limited and latecomers will only be admitted to the overflow facility, not the main lecture theatre. If you have any questions please contact the Events Team at events@istructe.org

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