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CONCRETE: 21st CENTURY SUPERHERO

Building a sustainable future

22nd – 24th June 2009,
Business Design Centre, London

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ATTEND THIS ANNUAL SYMPOSIUM TO:

- **DEBATE** what the next 20-30 years hold for the design and construction of concrete structures
- **UNDERSTAND** how concrete has developed into a cost-effective, sustainable structural material
- **NETWORK** with academics, structural engineers, construction professionals and product developers

Hear from confirmed speakers that include:

- **Dr Ahmad Rahimian**, *President, WSP Cantor Seinuk*
- **Dr Koji Sakai**, *Professor of Engineering, Kagawa University*
- **Prof Odd. Gjøl**, *Department of Structural Engineering, Norwegian University of Science and Technology*

Address five core themes:

- **Sustainability**
- **Durability**
- **Materials**
- **Structure & Construction**
- **Design & Analysis**

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CONCRETE: 21st CENTURY SUPERHERO

In recent years the knowledge of concrete and concrete structures has increased, as has its applications

FIB and The Concrete Society are bringing together leading engineers, designers, contractors and researchers from the world of construction for **CONCRETE: 21st Century Superhero**, an international forum to debate and showcase innovations in concrete design and construction.

Join an **international audience of the construction elite** to hear how the concrete industry have developed solutions to meet design needs and debate the future of concrete structures.

Did you know that the International *fib* Symposium 2009...

- Attracted a staggering 350 abstract submissions
- Will unite over 500 delegates from 45 different countries
- Presents over 200 papers running concurrently across three conference days

Who attends?

The *fib symposium* will allow attendees to discover how concrete has developed into a cost-effective, sustainable structural material. This is an essential event for the entire construction industry, including:

- Consultants
- Contractors
- Product suppliers
- Laboratories
- Educational Institutions
- Material suppliers

Alongside the technical programme of events the International *fib symposium* 2009 will be running social activities throughout the conference

Be part of an event that is uniting the concrete world!

The International *fib Symposium* 2009 is the global concrete event of 2009. Designed to embrace innovation, over 200 speakers will share their latest research into concrete and reaffirm its position as the material of choice for structural design and construction.

Key insights will be provided by our expert speaker panel, who will explore the latest innovations in concrete, tackling: durability, sustainability, versatility, and speed of construction. As we prepare to review the final submission of papers we are delighted to announce our keynote presentations on:

- Durability of Concrete
- Concrete High Rise Buildings
- Sustainability in Concrete

Join us on LinkedIn Today.
Search for Concrete: 21st Century Superhero

An essential event for concrete specialists, covering 5 core themes:

- **SUSTAINABILITY:** Many countries are moving to more sustainable concrete construction – make sure you are at the forefront of research and development
- **DURABILITY:** Concrete structure asset management is informed by life cycle analysis – ensure that the structural concept and design process is enhanced with good quality construction
- **MATERIALS:** The development of new materials requires investment and in many cases greater expense – learn how to manage costs whilst still delivering sustainable concrete structures of the future
- **STRUCTURE & CONSTRUCTION:** Recent developments in extreme taller, longer and deeper concrete structures have been made possible by new construction techniques – hear how to make the impossible, possible!
- **DESIGN & ANALYSIS:** Advances in computational techniques are enabling more sophisticated concrete structures to be designed – understand how advanced computational methods are transforming the way the designer works

Our three keynote speakers include:



Dr Ahmad Rahimian is President of WSP Cantor Seinuk, Structural Engineers, New York Division of WSP Group. An expert in the behaviour of structures under seismic and wind loading, he has written and published widely on designing towering structures and tall buildings and has been involved in the design and engineering of buildings, stadiums, and bridges in cities around the world. He holds a U.S. patent in seismic protective design. Dr. Rahimian is also chairman of one of the committees responsible for updating the New York City Building Code



Dr Koji Sakai is a Professor at Kagawa University in Japan. Since 2002, Professor Sakai has been Chairman of *fib* Commission 3 (Environmental Aspects of Design and Construction) and, since 2008, he has been Chairman of JCI (Japan Concrete Institute) Committee (Minimization of Global Warming Substances and Wastes in Concrete Sector) and ISO/TC71/SC8 (Environmental Management for Concrete and Concrete Structures).



Odd E. Gjorv is a Professor Emeritus in the Department of Structural Engineering at the Norwegian University of Science and Technology in Trondheim. His research includes advanced concrete materials and concrete technology as well as durability and durability design of concrete structures in severe environments. He has been honoured with several international awards and is a member of the Norwegian Academy of Technical Sciences and a Fellow of the American Concrete Institute.

Building a sustainable future - Event Programme

Saturday 20th June	Sunday 21st June	Time	Monday 22nd June	Tuesday 23rd June	Wednesday 24th June
		08:45	Registration & Networking	Registration & Networking	Registration & Networking
09:00 - 10:30 Technical Council		09:00 - 10:30	09:45 Opening Address & Awards	Papers Structures & Construction Design & Analysis Sustainability Materials	Papers Design & Analysis Sustainability Materials
10:30 - 11:00 Morning Refreshments	10:00 - 12:00 Social Tour	10:30 - 11:00	Morning Refreshments	Morning Refreshments	Morning Refreshments
11:00 - 12:30 Technical Council		11:00 - 12:30	Keynote Addresses: Durability of Concrete Prof Odd E. Gjov, Department of Structural Engineering, Norwegian University of Science and Technology Concrete High Rise Buildings Dr Ahmad Rahimian, President, WSP Cantor Seinuk Sustainability in Concrete Dr Koji Sakai, Professor of Engineering, Kagawa University	Papers Structures & Construction Design & Analysis Sustainability Materials	Papers Durability Design & Analysis Structures & Construction Materials
12:30 - 14:00 Lunch	12:00 - 13:00 Lunch	12:30 - 14:00	Networking Lunch	Networking Lunch	Networking Lunch
14:00 - 15:30 Technical Council	13:00 - 15:00 Social Tour	14:00 - 15:30	Papers Design & Analysis Durability Materials	Papers Young Engineers Awards Design & Analysis Sustainability Materials	Papers Durability Design & Analysis Structures & Construction Design & Analysis
15:30 - 16:00 Afternoon Refreshments		15:30 - 16:00	Afternoon Refreshments	Afternoon Refreshments	Afternoon Refreshments
16:00 - 17:30 General Assembly		16:00 - 17:30	Papers Design & Analysis Durability Materials	Papers Structures & Construction Design & Analysis Sustainability Materials	Closing Ceremony Closing Keynote Handover to Washington 2010
19:30 - 11:30 Council Dinner	18:30 - 20:00 Welcome Reception & Registration		At Leisure	Symposium Banquet (The Brewery)	

To view the latest agenda go to www.fiblondon09.com

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