The Institution of Structural Engineers

fib CEB-FIP United Kingdom

*fib*UK: Developments in Structural Concrete conference 2026

Towards Carbon Neutrality, AI Design and Robotic Construction

Thursday 3 December 2026, 09:30 – 17:00 GMT

IStructE London HQ and online

09:00	**Registration**
09:30	**Welcome & introduction** *Chris Hendy, AtkinsRéalis*
09:40	**Keynote: Towards intelligent and sustainable construction: AI, Digital Twins, Smart Standards and robotics** *Professor Markus König, Ruhr University Bochum*
10:15	**Morning break**
	Session 1: Research
10:30	**Navigating AI and digitalisation in structural concrete** *Dr Miguel Azenha, University of Minho*
10:55	**Study of the over-provision of cement and emissions in a reinforced concrete structure** *Fenella Ross, AtkinsRéalis*
11:20	**Concrete performance: data, measurement and machine learning** *Professor Janet Lees, University of Cambridge*
11:45	**AI-Enhanced bridge health monitoring** *Dr Mehdi Kashani, Southampton University*
12:10	**Lunch break**
	Session 2: Bulletins
13:10	**Multi-Criteria Decision Making for Concrete Sustainability: Insights from Bulletin 121 and the SAG Review** *Dr Irene Josa, University College London*
13:45	**Bulletin 113: Polymer ducts for durable internal tendons** *Dr Hans Ganz, Ganz Consulting*
14:20	**Bulletin 124: Recycled aggregates** *Dr Dan Bompa, University of Surrey*
14:55	**Afternoon break**

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	Session 3: Case studies
15:10	**National Highways' "Structures Moonshot" for developing bridge NDT techniques - Phase 3 progress and outcomes** *Chris Mundell, AtkinsRéalis*
15:45	**AI-assisted service life design of concrete structures: Approach and applications** *Dr Fragkoulis Kanavaris, Arup*
16:20	**Physical AI and its applications within construction robotics** *Dr Ashish Mohite, Hyperion Robotics*
16:55	**Closing remarks** *Corin Walford, Laing O'Rouke*

This programme is subject to change

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