

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

Sponsored by:



Session 3: Case studies

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

This programme is subject to change

Thank you to our sponsors:



Sponsored by:

