

27th Annual Conference

Institution of Structural Engineers,
47-58 Bastwick Street, London, EC1V 3PS
Wednesday 19th June 2024



The future of concrete bridges

Embracing technology



Call for Presentations

The influence of technology continues to be at the forefront of construction and no less so than for concrete bridges. Iron bar to improve concrete performance was used in the 1870s (Homersfield Bridge Suffolk/Norfolk borders) and reinforcement with the Hennebique system (Chewton Glen Bridge, Hampshire) in 1902. The introduction of precast, prestressing, cantilever and incrementally launched sections, pushed the boundaries further. The exponential leap in computing power in the 21st century has enabled an explosion in digital technology in all areas of design and construction and, more recently, remote assessment and inspection.

The CBDG's 27th Annual conference will discuss the influence of intelligent engineering on concrete bridges; a material with intrinsic versatility, design flexibility and, above all, natural durability.

Suggested topic areas include, but not limited to, those listed below;

- **Modern Methods of Construction**
- **Alternative concrete constituents**
- **Monitoring**
- **AI Technology & Innovation**
- **Standard health monitoring**
- **Intelligent engineering**
- **AI**
- **Digital and future technology**
- **Assessment & Inspection**
- **3D printing**

Please provide an abstract by the 19th February 2024. This must include a title and outline content (maximum 150 words). Presentations are typically expected to be 20-30 minutes plus Q&A. Following acceptance, the presentation in PowerPoint format will be required in advance of the conference.

Exhibition stand space is available.

For further information, please email: enquiries@cbd.org.uk

