Institute of Concrete Technology

Graphene in Concrete

9th February 2026

Supported by

The Concrete Society: North West Region

The Graphene Engineering Innovation Centre, University of Manchester

Concrete Society North West

MANCHESTER 1824 The University of Manchester

Graphene Engineering Innovation Centre

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Graphene In Concrete

The rapid advancement of nanotechnology and its integration into construction materials presents an exciting opportunity for the development of high-performance concrete. Among various nanomaterials, graphene has gained significant attention due to its exceptional mechanical, electrical, and thermal properties. Graphene's incorporation into cement-based composites holds multifunctional prospects for addressing critical challenges in modern infrastructure, such as the need for enhanced strength, durability, and sustainability. Furthermore, graphene enables the creation of "smart" concrete with self-sensing capabilities.

The seminar will be interest to academia, consultants, material manufacturers/supplier, students etc.

Provisional Programme

09.30	Registration- Tea/coffee	
10.00	Welcome	
10.05	Chair's Introduction	
10.10	Introduction to Graphene	Dr. Chirag Ratwani, Graphene Council
10.40	Building the Future with Graphene	Dr. Stephen Hodge, CEO Versarien PLC
11.10	Graphene based admixtures in concrete	Dr. Andrius Patapas, CEO of 2D Nano Limited
11.40	Discussion	
12.00	Lunch	
12.45	Graphene Green Concrete	Dr. Meini Su, University of Manchester
13.15	Advancements in Graphene Modified Concrete. From Lab to Site	Dr Lisa Scullion, University of Manchester
13.45	Graphene enhanced cement	Tony Wilson, Breedon
14.15	Discussion	
14.30	Close and visit to the lab	
17.00	Close	