Workshop on

Graphene-based Additive for Construction Applications

SPEAKERS

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LIMITED TO 40 SEATS ONLY

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February 29, 2024

Register here:https://forms.gle/cprzLFvs9ke3EQ9FA
Workshop on

Graphene-based Additive for Construction Applications

The purpose of this workshop is to present and discuss the most innovative developments and research on sustainability in concrete constructions. In recent years, studies have focused extensively on graphene and its derivatives due to its significant mechanical, electrical, and thermal properties and large specific surface area. Various applications have been explored due to the worldwide advancement in graphene research, including flexible/stretchable devices, transistors at high frequencies, energy storage, sensors, biomedical applications, and concrete composites. However, despite numerous research works, the discovery remains away from the commercial phenomenon, primarily due to the limited climbable and high cost of current graphene production methods. Overall, this workshop aims to create awareness about “graphene” a novel material; its mechanism, possibilities, challenges, and the way forward for smoother integration for the construction industries.

Learning from this workshop

- Graphene and its applications
- Methodology of Graphene Dispersion
- Incorporating Graphene Oxide in ECC
- Incorporating Graphene nanoplatelets in concrete
- Microstructure Analysis

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