

Our team

Dr Nithin Jayasree is a Research Fellow at the Brunel Composites Centre. He has participated in various industrial research projects primarily in the automotive and aerospace sectors. He is currently working for BCC for various research projects including GRAPHOSITE, which involves development of a Graphene Sensor for defect detection and predictive maintenance in composite structures.

Sadik Omairey: a Chartered Engineer, Member of the Institution of Mechanical Engineers (IMechE), and a Fellow of the Higher Education Academy (HEA). Sadik is a Research Fellow in Brunel Composites Centre (BCC), and he's finalizing his PhD in composites Reliability-Based Design Optimization (RBDO) from the University of Aberdeen. His past experience included industrial and higher education teaching.

Dimitrios Fakis is a Chartered Electrical Engineer, Specialized in Electrical Power Engineering, with a Diploma in Electrical and Computer Engineering from Aristotle University of Thessaloniki, Greece. Currently he is a PhD Candidate of Mechanical Engineering in Brunel University London, United Kingdom.

Main Contact

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A Graphene Sensor for Defect Detection and Predictive Maintenance in Composite Materials

www.graphosite.co.uk



Brunel Composites Centre

<https://www.linkedin.com/company/brunel-composites-centre>

Innovate UK

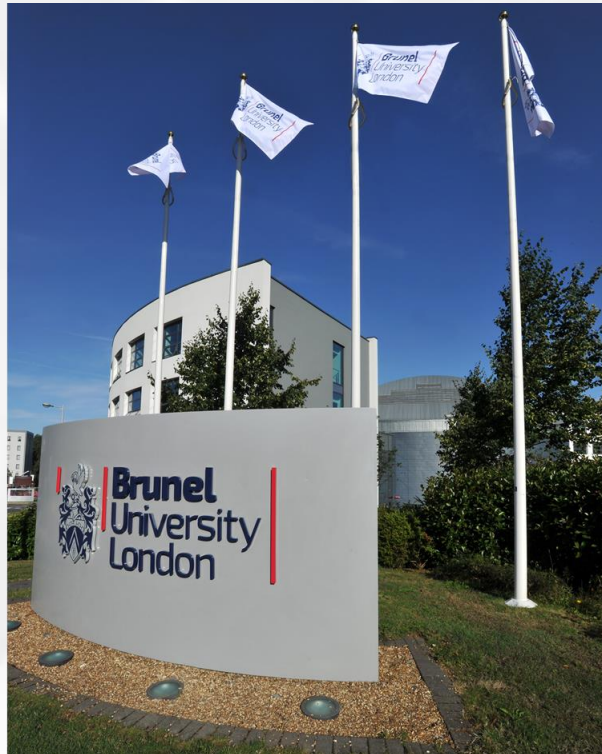
GRAPHOSITE is an **Innovate UK** Project,
Ref: 104266

Who we are

The Brunel Composites Centre (BCC) is a shared research and technology capability specialising in novel composites processing and joining technologies, applied to industrial environments. It undertakes joint research programmes and aims to develop the next generation of technologies and engineers.

Objectives:

Create solutions for better processing and joining of composites
De-risk innovation in composites for quick industrial adoption
Establish a world leading reputation in composites and joining



Our products and services

- Advanced FEA capabilities
- Composites joining without mechanical fastening
- Developing advanced out-of-autoclave tooling
- Microwave heating in composite production
- Novel processing of composites
- Composites-metal joints
- Coatings for composites
- Adhesive bonding

