

Tuesday 25th August	
9.45-10.00	Opening
10.00-10.45	1 Plenary talk - Ravi P. Silva - Nano-Carbons: From Nano-Electronics to Space Applications
10.45-10.50	Break
Composites <i>Chair: Cristina Valles</i>	
10.50-11.20	2 Invited talk - Joselito Razal - Multifunctional MXene-based Architectures
11.20-11.35	3 X Yao - Effect of Graphene Nanoplatelets on the Mechanical and Gas Barrier Properties of Carbon Fibre Reinforced Polymer (CFRP) Composites
11.35-11.50	4 R. Guzman de Villoria - Effect of carbon nanotubes in polyetheretherketone/carbon fibre composites
11.50-12.05	5 C O'Brien - Understanding the True Morphology and Properties of 2D-Material Reinforced Nanocomposites
12.05-13.00	Lunch/Poster session
Theory & Advanced Characterisation <i>Chair: Marco Sacchi</i>	
13.00-13.30	6 Invited talk - Stephen Jenkins - Electronic Chirality in Graphene and at Surfaces
13.30-13.45	7 Y Tanuma - Hydrogen removal from carbon nanobelts
13.45-14.00	8 A Impellizzeri - Encapsulated phosphorus packings in Single-Walled Carbon Nanotube: A Raman Spectroscopy investigation
14.00-14.15	9 A Graf - Raman Metrics for Molybdenum Disulfide and Graphene Enable Statistical Mapping of Nanosheet Populations
14.15-14.30	10 R Arenal - Spatially-Resolved EELS Studies on Functionalized Carbon Nanotubes
14.30-14.40	Break
Properties of Surface/Interfaces <i>Chair: Izabela Jurewicz</i>	
14.40-15.10	11 Invited talk - Anton Tamtögl - Structure and nanoscale dynamics of hydrogen containing molecules at carbon materials & interfaces
15.10-15.25	12 Z Li - Mechanisms of Liquid Phase Exfoliation for the Production of Graphene
15.25-15.40	13 R Canton Vitoria - Long term stability of 1T/2H MoS ₂ in-plane Heterostructures
15.40-15.55	14 H Wood - Inverse correlation of conductivity and size in surfactant-exfoliated MoS ₂ nanosheet networks
15.55-16.05	Break
Applications <i>Chair: Vlad Stolojan</i>	
16.05-16.35	15 Invited talk - Alvin Orbaek White - Carbon nanotubes as signal transmission lines demonstrator of the circular economy in practice
16.35-16.50	16 M Liu - High-performance fluoroelastomer-graphene nanocomposites for advanced sealing applications
16.50-17.05	17 M Sarong - Nanophytoremediation of Heavy Metal Polluted Soil Utilizing Biochar-Nanocomposite
17.05-17.20	18 K Elidottir - Smart Carbon Nanotube Based Scaffolds for Cartilage Tissue Engineering
17.20 - 18.20	Drinks reception and prize-giving

Prize sponsorship:

**The
British Carbon Group**

