

EUROMAT 2017/ Symposia Structure/Area A

A.1	Title: Carbon-based nanomaterials		
	Organizer	Institution	Contact email
	Eric Anglaret	Université de Montpellier	eric.anglaret@umontpellier.fr
	Vladimir Falko	National Graphene Institute, University of Manchester	Vladimir.falko@manchester.ac.uk
	Costas Galiotis	University of Patras and FORTH/ ICE-HT	c.galiotis@iceht.forth.gr
	Maurizio Prato	University of Trieste	prato@units.it
	Summary		
<p>This symposium will cover all aspects related to production/processing, characterization, devices, applications and industrial perspectives of materials based on the most popular carbon nanomaterials, including Graphene, Carbon Nanotubes, Carbon Nanoparticles:</p> <ol style="list-style-type: none"> 1. Functionalization, dispersion, processing of carbon nanotubes, carbon nanoparticles and graphene; nanocarbon-based composites 2. Electronic, plasmonic, optical and mechanical properties of carbon nanotubes, carbon nanoparticles, graphene and related devices 3. Graphene heterostructures with boron nitride and other 2D materials 4. Safety and biomedical applications of carbon nanotubes, carbon nanoparticles and graphene 5. Synthesis; selection methods and characterisation metrology for standardization and quality control 			