Functional Nanomaterials Symposium
FuNMat 2015, 30th of July, Prague, CZ

Bulk graphite and activated carbon are widely exploited for its electrochemical and absorbent properties leading to applications in energy storage (Li+ battery anodes) to gas storage, energy harvesting or biomedical applications. Since its recent rise, graphene has been considered as a new “wonder” material merit its advantageous combination of high electrical and thermal conductivity and stability. We suggest that heavily doped, organic functional materials offer even wider possibilities for real applications in the near-term. This symposium aims to bring together scientists who are at the forefront of research into design and applications of novel functional materials on all length-scales, i.e. as molecular porous solids (0D), layered functional sheets (2D), or as amorphous assemblies (3D). Research topics will stem from the large field of functional, porous materials indispensable for industrial, scientific and domestic applications.

Keynote Speakers

Andrew i. Cooper (FRS)
University of Liverpool, UK
Andy Cooper is the founding Director of the Centre for Materials Discovery (established in 2007) and is the Academic Director of the new Materials Innovation Factory (MIF). Andy’s research interests are polymeric materials, porous organic cages, crystal engineering, supercritical fluids, CO2 capture, materials for energy production, and high-throughput materials methodology.

Michael Mastalerz
Ruprecht-Karls-Universität Heidelberg, D
Since April 2013, Michael Mastalerz is a full professor for Organic Chemistry at Ruprecht-Karls-Universität Heidelberg. His main research interests include organic porous molecules and materials by dynamic covalent bond formation, crystal engineering and self-assembly, and nonplanar extended aromatic molecules.


Arne Thomas
Technische Universität Berlin, D
Arne Thomas is a full professor at the Institute of Chemistry, Technische Universität Berlin. His research interests include the immobilization of homogenous catalysts in porous organic frameworks, and the synthesis of functional mesoporous catalysts/catalyst supports.

Organiser

Michael J. Bojdc
Charles University in Prague, CZ
Michael Bojdc joined the Charles University in Prague in 2014 as an Assistant Professor. His current research interest lies in the field of functional nanomaterials for semiconductor applications, gas storage and catalysis.

Sponsors