



## Applications of BC-derived materials

Nanoforce, Joseph Priestly Building, Mile End Road E1 4NS.  
London, United Kingdom

### Wednesday 13th December – School 3. Day 1

- 10:00 – 10:45 NMR spectroscopy on hydrochars and related systems.  
*Niklas Hedin* (Stockholm University)
- 10:45 – 11:30 Chemical kinetics of hydrothermal carbonisation.  
*Andrea Kruse* (University of Hohenheim)
- 11:30 – 12:15 Biomass-derived carbons for energy applications.  
*Magda Titirici* (Queen Mary University of London)
- 12:15 – 13:15 — Lunch —
- 13:15 – 14:00 Pyrolysis and gasification studies of biomass thermal decomposition.  
*Roberto Volpe* (Queen Mary University of London)
- 14:00 – 14:45 Materials for energy applications.  
*Ana Jorge Sobrido* (Queen Mary University of London)

### Thursday 14th December – School 3. Day 2

- 10:00 – 10:45 Cracking lignin - applying structural analysis and chemistry to tailor a complex biopolymer.  
*Agi Brandt-Talbot* (Imperial College)
- 10:45 – 11:30 Nanosheets formed by spontaneous dissolution: single crystal, luminescent carbon nitrides and more.  
*Tom Miller* (University College London)
- 11:30 – 12:15 Organic semiconductors for energy generation.  
*Bob Schroeder* (Queen Mary University of London)
- 12:15 – 13:15 — Lunch —
- 13:15 – 14:00 Nanostructured photovoltaic devices.  
*Joe Briscoe* (Queen Mary University of London)
- 14:00 – 14:45 Modelling photochemical reactions: From molecules to materials.  
*Rachel Crespo* (Queen Mary University of London)
- 14:45 – 15:30 Thermoelectric materials.  
*Oliver Fenwick* (Queen Mary University of London)
- 15:30 – 14:45 — Break —
- 15:45 - 16:30 Recent advances in battery technology and safety.  
*James Robinson* (University College London)
- 16:30-17:15 The Correlation between Electrochemical Impedance Spectra and Porous Texture of Activated Carbons for Supercapacitors Applications.  
*Dina Ibrahim* (University College London)