

British Zeolite Association 2019 Annual Meeting Provisional Timetable

Thursday 11 April

- 10:30 coffee
- 11:00 – 11:50 Prof Krijn de Jong (Utrecht)
Nanoscale intimacy effects for bifunctional metal-zeolite catalysts
- 11:50 – 12:10 Gaël Donval (Bath)
In silico synthesis of MOFs from first principles
- 12:10 – 12:30 Asel Sartbaeva (Bath)
The role of crown ether on compression and synthesis of EMC-2 zeolites
- 12:30 – 12:50 Dan Stewart (Southampton)
Engineering efficiency into a modulated MOF-catalyst for enhanced CO₂ utilisation leading to sustainable polymer synthesis
- Lunch
- 14:00 – 14:30 Founder's Award – Sofia Marchesini (National Physical Laboratory)
Porous Boron Nitride Materials: Correlation of Nanoscale Design to Adsorption Performance
- 14:30 – 14:50 Christopher Heard (Charles University, Czech Republic)
Origin of the Loewenstein rule in zeolites
- 14:50 – 15:10 Andi Di (Bath)
Functionalised mesoporous titania synthesized using amphiphilic polyoxometallates: extending the catalytic applications of polyoxometallates
- 15:10 – 15:30 Yann Chapelliere (Lyon)
Use of hierarchical H-Y zeolite for the FCC of bio-oil with vacuum gas oil
- Tea break
- 16:00 – 16:50 Prof Sharon Ashbrook (St Andrews)
Exploiting isotopic enrichment in NMR spectroscopy of microporous materials
- 16:50 – 17:10 Meera Shah (Durham)
Methane activation and functionalisation in metal exchanged zeolites
- 17:10 – 17:30 Megan Thompson (Bath)
Size-dependent adsorption and framework flexibility in DUT-8(Ni)
- 17:30 Poster session and drinks reception
- 19:00 Dinner

Friday 12 April

- 9:00 – 9:50 Dr Jill Collier (Johnson Matthey)
Industrial application of zeolite technology for future automotive emission control
- 9:50 – 10:10 Emma Campbell (UCL)
Influence of zeolite topology in catalytic fast pyrolysis of biomass: a Kerr-gated Raman study using model compounds
- 10:10 – 10:30 Alex O'Malley (Bath)
Molecular behaviour in zeolite catalysts: neutron spectroscopic and modelling studies
- 10:30 – 10:50 Raquel Bessa (Manchester)
Hierarchical cartridges formed combining bacterial cellulose nanofibrils and zeolite Y nanocrystals
- coffee break
- 11:10 – 12:00 Dr Camille Petit (Imperial College London)
Approaches to materials development to address separation challenges
- 12:00 – 12:20 Adam Hill (Manchester)
CrystalGrower: modelling crystal growth in the cloud
- 12:20 – 12:40 Carlos Hernandez-Tamargo (Cardiff)
Molecular motion of phenol in zeolite Beta: a molecular dynamics study
- 12:40 – 13:00 Duygu Kuzyaka (Middle East Technical University, Turkey)
Photocatalytic performances of microporous vanadosilicate AM-6 thin films with different amounts of defects in their structures
- 13:00 AGM

Lunch and close of meeting