

MC8: Advancing Materials by Chemical Design
Programme Overview (Provisional)

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| Monday 2 July | | | |
| Plenary: Paul Alivisatos, <i>University of California, Berkeley, USA</i> | | | |
| Biomaterials | Biomaterials | Interdisciplinary Topics | Biomaterials |
| Materials at the Bio-Ceramic Interface (i) | Bio-Nanotechnology (i) | Advanced Structural Probes (i) | Materials Synthesis of Complex Structures (i) |
| Keynote: Jonathan Knowles <i>UCL Eastman Dental Institute, UK</i> | Keynote: Christof Niemeyer <i>University of Dortmund, Germany</i> | Keynote: Julie MacPherson <i>University of Warwick, UK</i> | Keynote: Peter Fratzl, <i>Max Planck Institute of Colloids and Interfaces, Germany</i> |
| Lunch and Posters | | | |
| Biomaterials | Biomaterials | Interdisciplinary Topics | Solid State Materials |
| Materials at the Bio-Ceramic Interface (ii) | Bio-Nanotechnology (ii) | Synthesis of Framework Materials by Design | Solid State I: High Pressures, High Temperatures and Confined Dimensions |
| Keynote: Serena Best <i>University of Cambridge, UK</i> | Keynote: Darrin Pochan <i>University of Delaware, USA</i> | Keynote: Wais Hosseini <i>Universite Louis Pasteur, France</i> | Keynote: Roberto Bini <i>University of Florence, Italy</i> |
| Tuesday 3 July | | | |
| Plenary: Roald Hoffman, <i>Cornell University, USA</i> | | | |
| Soft Matter | Nanomaterials | Solid State Materials | Solid State Materials |
| Electronic and Opto-Electronic Polymers (i) | From Nanotubes to Nanowires (i) | Materials for Sustainable Energy: Fuel Cells, Hydrogen Generation and Storage (i) | Solid State II: Advanced Ceramics and Functional Materials |
| Keynote: Klaus Mullen, <i>Max Planck Institute for Polymer Research, Germany</i> | Keynote: Alan Windle <i>University of Cambridge, UK</i> | Keynote: James McGrath, <i>Virginia Polytechnic Institute and State University, USA</i> | Keynote: Richard Catlow <i>UCL/RI, UK</i> |
| Lunch and Posters | | | |
| Soft Matter | Nanomaterials | Biomaterials | Solid State Materials |
| Electronic and Opto-Electronic Polymers (ii) | From Nanotubes to Nanowires (ii) | Materials Synthesis of Complex Structures (ii) | Solid State III: Electronic and Magnetic Materials |
| Keynote: Mark Thompson <i>University of Southern California, USA</i> | Keynote: Siegmur Roth, <i>Max-Planck-Institut für Festkörperforschung, Germany</i> | Keynote: Hiroshi Matsui <i>City University of New York, USA</i> | Keynote: Robert Cava <i>Princeton University, USA</i> |
| Key: MC8 Themes: | | | |
| Biomaterials | | | |
| Soft Matter | | | |
| Nanomaterials | | | |
| Solid State Materials | | | |
| Interdisciplinary Topics | | | |

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| Wednesday 4 July | | | |
| Plenary: Heino Finkelmann, <i>Albert-Ludwigs-Universität Freiburg, Germany</i> | | | |
| Nanomaterials | Solid State Materials | Nanomaterials | Nanomaterials |
| Nanoparticles (i) | Catalysis and Green Materials (i) | Photoactive Thin Films and Particles (i) | Colloidal Crystal Materials |
| Keynote: Christopher Murray <i>IBM Corporation, USA</i> | Keynote: John Evans <i>University of Southampton, UK</i> | Keynote: David Cole-Hamilton <i>University of St Andrews, UK</i> | Keynote: Paul V Braun <i>University of Illinois, USA</i> |
| Lunch and Posters | | | |
| Nanomaterials | Solid State Materials | Nanomaterials | Nanomaterials |
| Nanoparticles (ii) | Catalysis and Green Materials (ii) | Photoactive Thin Films and Particles (ii) | Hierarchical Porous Materials |
| Keynote: Stephen Mann, <i>University of Bristol, UK</i> | Keynote: Shu Kobayashi <i>University of Tokyo, Japan</i> | Keynote: Martyn E Pemble <i>University College Cork, Ireland</i> | Keynote: Ram Seshadri <i>University of California, USA</i> |

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| Thursday 5 July | | | |
| Plenary: George M Whitesides, <i>Harvard University, USA</i> | | | |
| Solid State Materials | Soft Matter | Soft Matter | Biomaterials |
| Materials for Sustainable Energy: Fuel Cells, Hydrogen Generation and Storage (i) | Nanostructured Polymers (i) | Functional Liquid Crystals (i) | Hydrogels and Peptide Self-Assembly (i) |
| Keynote : Andreas Zuetzel <i>Universität Fribourg, Switzerland</i> | Keynote: Ian Hamley <i>University of Reading, UK</i> | Keynote: Stuart Rowan <i>Case Western Reserve University, USA</i> | Keynote: Joerg Tiller, <i>Albert-Ludwigs-Universität Freiburg, Germany</i> |
| Lunch and Posters | | | |
| Solid State Materials | Soft Matter | Soft Matter | Biomaterials |
| Materials for Sustainable Energy: Battery Materials | Nanostructured Polymers (ii) | Functional Liquid Crystals (ii) | Hydrogels and Peptide Self-Assembly (ii) |
| Keynote: Jean-Marie Tarascon <i>Université de Picardie Jules Verne, France</i> | Keynote: Thomas Russell <i>University of Massachusetts, USA</i> | Keynote: Myongsoo Lee <i>Yonsei University, South Korea</i> | Keynote: Molly Shoichet <i>University of Toronto, Canada</i> |

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| Biomaterials |
| Soft Matter |
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| Solid State Materials |
| Interdisciplinary Topics |