OVERVIEW PROGRAMME

| Monda | ıv 8 J | ulv 20 | 113 |
|-------|--------|--------|-----|

| IVIOIIUAY 8 July 2 | .013 | | | | | | | | |
|--------------------|-----------------------------|----------------------------------|-----------------------------|--|--|--|--|--|--|
| 09:30 | Refreshments & registration | | | | | | | | |
| 11:45 | Lunch & registration | | | | | | | | |
| 12:50 | | PLENARY: Professor Dan Shechtman | | | | | | | |
| 14:00 | Biomaterials | Energy Materials | Environmental Materials | Magnetic, Electronic and Optical Materials | | | | | |
| 15:30 | Refreshments | | | | | | | | |
| 16:00 | Biomaterials | Energy Materials | Environmental Materials | Magnetic, Electronic and Optical Materials | | | | | |
| 17:00 | | Time for delegates to r | move between theatres | | | | | | |
| 17:05 | | SPECIAL EVENING LECTURE | : Professor Harry Kroto FRS | | | | | | |
| 18:05 | | Welcome / po | oster reception | | | | | | |
| 19:30 | | Cl | ose | | | | | | |

Tuesday 9 July 2013

| Tuesday 9 July 2 | 3013 | | | | | | | | |
|------------------|---------------------------------|-------------------|-------------------------|--|--|--|--|--|--|
| 09:00 | PLENARY: Professor Samuel Stupp | | | | | | | | |
| 10:00 | Biomaterials | Energy Materials | Environmental Materials | Magnetic, Electronic and Optical Materials | | | | | |
| 11:10 | Refreshments | | | | | | | | |
| 11:40 | Biomaterials | Energy Materials | Environmental Materials | Magnetic, Electronic and Optical Materials | | | | | |
| 12:40 | | Lunch and posters | | | | | | | |
| 14:10 | Biomaterials | Energy Materials | Environmental Materials | Magnetic, Electronic and Optical Materials | | | | | |
| 15:40 | | Refreshments | | | | | | | |
| 16:20 | | PLENARY: Profess | or Allan Hoffman | | | | | | |
| 17:20 | | Poster r | eception | | | | | | |
| 19:15 | | Clo | ose | | | | | | |

Wednesday 10 July 2013

| | - 1 | | | | | | | | | |
|-------|-----------------------------------|------------------|-------------------------|--|--|--|--|--|--|--|
| 08:30 | PLENARY: Professor Clare Grey FRS | | | | | | | | | |
| 09:30 | Biomaterials | Energy Materials | Environmental Materials | Magnetic, Electronic and Optical Materials | | | | | | |
| 10:40 | Refreshments | | | | | | | | | |
| 11:10 | | PLENARY: Profess | or Andrew Cooper | | | | | | | |
| 12:10 | Biomaterials | Energy Materials | Environmental Materials | Magnetic, Electronic and Optical Materials | | | | | | |
| 13:10 | Lunch and posters | | | | | | | | | |
| 14:50 | Biomaterials | Energy Materials | Environmental Materials | Magnetic, Electronic and Optical Materials | | | | | | |
| 16:20 | | Refresi | nments | | | | | | | |
| 16:50 | | PLENARY: Profess | or Paul Mulvaney | | | | | | | |
| 17:50 | | Clo | ose | | | | | | | |
| 19:30 | | Pre-dinn | er drinks | | | | | | | |
| 20:00 | | Conference | e banquet | | | | | | | |

Thursday 11 July 2013

| 09:00 | Biomaterials | Energy Materials | Environmental Materials | Magnetic, Electronic and Optical Materials | | | | |
|-------|--------------------------------|---|-------------------------|--|--|--|--|--|
| 10:30 | Refreshments | | | | | | | |
| 11:00 | Biomaterials | Energy Materials | Environmental Materials | Magnetic, Electronic and Optical Materials | | | | |
| 12:00 | | Time for delegates to move between theatres | | | | | | |
| 12:05 | PLENARY: Professor Robert Cava | | | | | | | |
| 13:15 | Close and Lunch | | | | | | | |

Monday 8 July 2013

| 09:30 | | | | | Refreshments & reg | gistration | | | |
|----------------|------------------|-------|---|--------|--|--------------|---|--------------|--|
| 11:45 | | | | | Lunch & registr | ation | | | |
| 12:50 | | | | С | onference opens and Plenary le | cture (Dan S | hechtman) | | |
| | | | Biomaterials | | Energy Materials | En | vironmental Materials | Magnetic, | Electronic and Optical Materials |
| 14:00 | Keynote | | Molecular Self-Assembly of Short Aromatic Peptides: From Biology to Nanotechnology and Material Science Gazit, Ehud | | Solar cells which like music and other surprising observations Durrant, James | | Molecularly imprinted polymers for environmental technologies Sellergren, Börje | | Directly-printed quantum-tuned nanoparticle solar cells Kim, Jin Young |
| 14:30 | Contributed oral | B_001 | Multi-component Dipeptide Hydrogels Adams, Dave | EM_001 | Enhancement of Gold Cluster- Sensitized Photocurrents by Gold Nanoparticles Kogo, Atsushi | ENV_O01 | Nanoporous Photocatalytic TiO2 – PES Mixed Matrix Membrane for Water Purification Fischer, Kristina | MEOM_00 1 | Large area, reconfigurable self- assembly of nematic liquid crystal- functionalized gold nanorods Hegmann, Torsten |
| 14:50 | Contributed oral | B_O02 | Molecular Origins of the Antifouling Properties of Surface Grafted Peptoid Polymer Brushes Lau, K. H, Aaron | EM_002 | A Novel Nanoarchitecture for Complete Light Absorption and Charge Collection in Bulk Heterojunction Solar Cells Muñoz-Rojas, David | ENV_O02 | TBC | MEOM_O0 2 | The development of biotemplated magnetic nanoparticle patterns for potential use in data storage Galloway, Johanna |
| 15:10 | Contributed oral | в_003 | Fluorescent microcapsules produced from pollen Bakker, Katrina (TBC) | EM_003 | TBC | ENV_O03 | The Immobilization of MacMillan Catalyst via Controlled Radical Polymerization: Catalytic activity, Recovery and Reuse Moore, Beth | MEOM_00 3 | Hourglass-like Ni(OH)2 nanomaterial modified glassy carbon electrode as a biosensor for detection of L-histidine Nai, Jianwei |
| 15:30 | | | | | Refreshmen | ts | | | |
| | | | Biomaterials | | Energy Materials | En | vironmental Materials | Magnetic, | Electronic and Optical Materials |
| 16:00 | Contributed oral | B_O04 | Thermogelling block copolymers for protein/drug delivery and tissue engineering applications Loh, Xian Jun | EM_004 | Atomistic simulation of thermoelectric materials: from band engineering to nanostructuring Parker, Steve | ENV_O04 | Polyelectrolyte core-shell particles with porous shells by double emulsion template suspension polymerisation Yeates, Stephen | MEOM_O0 4 | Transition-metal dopants for Ge2Sb2Te5 phase-change materials: an <i>ab initio</i> molecular-dynamics study Skelton, Jonathan |
| 16:20 | Contributed oral | в_005 | Synthetic scaffolds for hard tissue engineering: from thermochemical fabrication to clinic Mallik, Kajal | EM_005 | Extended Modules Material Assembly Dyer, Matthew | ENV_O05 | Biopolymers as a flexible resource for nanochemistry Schnepp, Zoe | MEOM_00 5 | Droplet Flow Reactors for Controlled Continuous Nanocrystal Synthesis Nightingale, Adrian |
| 16:40 | Contributed oral | B_006 | Conjugated polymer nanoparticles for cell labelling, imaging and drug delivery Tuncel, Donus | EM_006 | Phase selection and optimisation of tin sulfide for low-cost solar cells Burton, Lee | ENV_O06 | Wastes in the way towards a green economy Martin-Luengo, M A | MEOM_00 6 | Characterisation of a nanocomposite printable ink with a pressure sensitive nonlinear electrical resistance Szablewski, Marek |
| | | | • | • | | | | | |
| 17:00 | | | | | Time for delegates to move | between the | eatres | <u></u> | |
| 17:00 17:05 | | | | | Time for delegates to move Special evening lecture (H | | | | |
| | | | | | | arry Kroto F | | | |

Tuesday 9 July 2013

| 09:00 | | | | | Plenary lecture (Sam | uel Stupp) | | | |
|----------------|------------------|-------|---|--------|--|---------------------|---|---------------|---|
| | | | Biomaterials | | Energy Materials | E | nvironmental Materials | Magnetic, Ele | ctronic and Optical Materials |
| 10:00 | Keynote | | New paradigms in bio-inspired materials chemistry: biomimetic potential at the proto-life/synthetic biology interface Mann, Stephen | | In-situ neutron diffraction: Crystallography under reaction conditions McIntosh, Steven | | Microporous ladder polymers for highly-permeable gas separation membranes Guiver, Michael D. | | Electric-double-layer interfaces applied to organic electronics: opto-electronic conversion and molecular cluster batteries Awaga, Kunio |
| 10:30 | Contributed oral | В_007 | Engineering silaffins: recombinant, self-assembling peptides with high cationic charge density for silica biomineralisation Zerfaß, Christian | EM_007 | Investigation into the effect of Si doping on the structure and electrical properties of Sr ₁ . _γ Ca _γ MnO _{3-δ} and Sr _{1-γ} CayFeO _{3-δ} SOFC cathode materials Porras, Jose | ENV_O07 | Novel Polymers of Intrinsic Microporosity (PIMs) for gas separation membranes Carta, Mariolina | MEOM_O07 | Using self-assembled monolayers in organic thin- film transistors Jones, Gavin |
| 10:50 | Contributed oral | B_O08 | Cerium Oxide: An enzymatic mimic for synthesis of supramolecular hydrogels Patil, Avinash | EM_008 | Electrical conductivity and Seebeck coefficient in nanocrystalline mesoscopic SrTiO ₃ Gregori, Giuliano | ENV_O08 | Nanoporous Polymers for Separation Applications Weber, Jens | MEOM_O08 | Electronics and Optics of Graphene and Graphene Analogues Hu, Pingan |
| 11:10 | | | | | Refreshmen | ts | | | |
| | | | Biomaterials | | Energy Materials | E | nvironmental Materials | Magnetic, Ele | ctronic and Optical Materials |
| 11:40 | Contributed oral | B_009 | Synthesis of Porous Hydroxyapatite Nanotubes Khushalani, Deepa | EM_009 | Defect Engineering in BaSnO ₃ : Towards High Performance Indium Free Transparent Conducting Oxides for Solar Cell Applications Scanlon, David | ENV_O09 | Exploring the Structural Energy Landscape of Ultra Microporous Framework Materials Trewin, Abbie | MEOM_O09 | De novo materials discovery: virtual screening of novel potential spin crossover complexes Deeth, Robert |
| 12:00 | Contributed oral | B_O10 | Preparation and characterisation of silver-loaded apatitic cement for bone repair Jacquart, Sylvanie | EM_O10 | Cation Ordering effects and Proton exchange in Garnet Li Ion Conducting Solid Electrolytes Howard, Matt | ENV_O10 | Shedding light on the microscopic structure of conjugated microporous polymers and related polymeric solids Zwijnenburg, Martijn | MEOM_O10 | Fullerene-containing phthalocyanine nanoporous crystals Bezzu, C Grazia |
| 12:20 | Contributed oral | B_O11 | Synthesis of bioactive core- shell organic-inorganic hybrid particles Neville, Frances | EM_011 | Understanding Local Behaviour: superionics and photocatalysts Allan, Neil | ENV_O11 | The Preparation and Applications of Silica Based Adsorbent Materials from Low Quality Waste Glass Laycock, Christian | MEOM_O11 | Synthesis and Magnetic Properties of a Cyclodimeric Copper(II) Porphyrin with a Trapped Endohedral Metallofullerene Sc ₃ C ₂ @C ₈₀ Hajjaj, Fatin |
| 12:40 | | | Diameteriale | | Lunch and pos | | universantal Materials | Manustia Fla | stunction of Outland Materials |
| 14:20 | Keynote | | Chemoenzymatic routes to biobased poly(*-hydroxyfatty acids), self-assembling oligopeptides and poly(glycolipids) Gross, Richard | | Preparation and Characterization of Porous Organic Polymers (POPs) Supported Noble Metal Catalysts for Energy and Environmental Applications Liu, Chang-jun | E | Title TBC Albrecht-Schmitt, Thomas | Magnetic, Ele | Title TBC Swager, Timothy M. |
| 14:50 | Contributed oral | B_O12 | Functional Degradable Poly(carbonate)s Williams, Rebecca | EM_012 | Zr-doped α-Fe ₂ O ₃ photoanodes for efficient solar water splitting Shen, Shaohua | ENV_O12 | Titanium silicate ETS-4 and CTS- 1: aspects of structure and CO ₂ sorption Cheung, Ocean | MEOM_O12 | Formation of responsive nanostructures by RAFT polymerisation and morphology switching behaviour in response to a stimulus Doncom, Kay |
| | | I | | | | | | | |
| 15:10 | Contributed oral | B_O13 | Solid Lipid Nanoparticles as novel template for hierarchical porous silica and hybrid drug loaded materials Pasc, Andreea | EM_013 | What makes fullerene acceptors special as electron acceptors in organic solar cells and how to replace them Liu, Tao | ENV_O13 | New Mg-Al Layered Double Hydroxide generated via the novel alkoxide-free sol-gel synthesis for water purification Chubar, Natalia | MEOM_O13 | Computational Modeling of the Structure and Electronic Transport through Large-area Molecular Electronic Junctions Containing Molecules Covalently Bonded to Graphene and Metal Electrodes Stoyanov, Stanislav |
| 15:10 15:30 | Contributed oral | | novel template for hierarchical porous silica and hybrid drug loaded materials | EM_013 | acceptors special as electron acceptors in organic solar cells and how to replace them | ENV_O13 | Hydroxide generated via the novel alkoxide-free sol-gel synthesis for water purification | MEOM_O13 | the Structure and Electronic Transport through Large-area Molecular Electronic Junctions Containing Molecules Covalently Bonded to Graphene and Metal Electrodes |
| | | B_O13 | novel template for hierarchical porous silica and hybrid drug loaded materials Pasc, Andreea Cryopreservation of Cells using Peptidomimetic Macromolecules | | acceptors special as electron acceptors in organic solar cells and how to replace them Liu, Tao Directed Self-assembly of Amphiphilic Peptides by Protein Fractals and Stabilization of Light Harvesting Complexes in hydrogels | ENV_O14 | Hydroxide generated via the novel alkoxide-free sol-gel synthesis for water purification Chubar, Natalia A Sustainable Production of Porous Carbons using Hydrothermal Carbonization | | the Structure and Electronic Transport through Large-area Molecular Electronic Junctions Containing Molecules Covalently Bonded to Graphene and Metal Electrodes Stoyanov, Stanislav Enhanced THz switching ratio in VO ₂ film and its application in metamaterials based dynamic resonance |
| 15:30 | | B_O13 | novel template for hierarchical porous silica and hybrid drug loaded materials Pasc, Andreea Cryopreservation of Cells using Peptidomimetic Macromolecules | | acceptors special as electron acceptors in organic solar cells and how to replace them Liu, Tao Directed Self-assembly of Amphiphilic Peptides by Protein Fractals and Stabilization of Light Harvesting Complexes in hydrogels Nadeem, Javid | ENV_O14 | Hydroxide generated via the novel alkoxide-free sol-gel synthesis for water purification Chubar, Natalia A Sustainable Production of Porous Carbons using Hydrothermal Carbonization | | the Structure and Electronic Transport through Large-area Molecular Electronic Junctions Containing Molecules Covalently Bonded to Graphene and Metal Electrodes Stoyanov, Stanislav Enhanced THz switching ratio in VO ₂ film and its application in metamaterials based dynamic resonance |
| 15:30 15:50 | | B_O13 | novel template for hierarchical porous silica and hybrid drug loaded materials Pasc, Andreea Cryopreservation of Cells using Peptidomimetic Macromolecules | | acceptors special as electron acceptors in organic solar cells and how to replace them Liu, Tao Directed Self-assembly of Amphiphilic Peptides by Protein Fractals and Stabilization of Light Harvesting Complexes in hydrogels Nadeem, Javid Refreshmen | ENV_O14 ts Hoffman) | Hydroxide generated via the novel alkoxide-free sol-gel synthesis for water purification Chubar, Natalia A Sustainable Production of Porous Carbons using Hydrothermal Carbonization | | the Structure and Electronic Transport through Large-area Molecular Electronic Junctions Containing Molecules Covalently Bonded to Graphene and Metal Electrodes Stoyanov, Stanislav Enhanced THz switching ratio in VO ₂ film and its application in metamaterials based dynamic resonance |

Wednesday 10 July 2013

| 08:30 | | | | | Plenary lecture (Clare | Grey FRS) | | | |
|-------|------------------|-------|--|--------|--|-----------|--|---------------|---|
| | | | Biomaterials | | Energy Materials | E | nvironmental Materials | Magnetic, El | ectronic and Optical Materials |
| 09:30 | Keynote | | The role of biomaterials in the development of in vitro engineered disease models Hutmacher, Dietmar | | Speaker TBC | | Nanoengineering the active site in clean catalytic technologies Lee, Adam | | X marks the spot - novel single- molecule cruciform structures for photonics applications Skabara, Peter J. |
| 10:00 | Contributed oral | B_O15 | Supramolecular manipulation of cell function Jonkheijim, Pascal | EM_015 | Self-assembly synthesis of nanosheet TiO ₂ (B) and its lithium ion intercalation performance Hou, Ming Yan | ENV_O15 | In Situ Generated Metal Nanoparticles on Porous Copper Chlorophosphate Frameworks for Catalytic Aerobic Oxidations Hinde, Christopher | MEOM_O15 | Photoluminescence Enhancement and Colour Tuning in Conjugated Polymer- Diureasil Hybrids Evans, Rachel |
| 10:20 | Contributed oral | B_O16 | Bespoke Synthetic Polymers for Sol-Gel Hybrids for Tissue Engineering Connell, Louise | EM_O16 | 3D self-supported metal oxide electrode for lithium ion batteries Chen, Xin | ENV_O16 | Oxygen-promoted crotyl alcohol selective oxidation over Au nanoparticles: a computational study Zeinalipour-Yazdi, Constantinos | MEOM_O16 | Self-organisation of white light in a photopolymer: A spontaneous route to 3-D optical and structural waveguide lattices Saravanamuttu, Kalaichelvi |
| 10:40 | | | | | Refreshment | :s | | | |
| 11:10 | | | | | Plenary lecture (Andre | w Cooper) | | | |
| | | | Biomaterials | | Energy Materials | E | nvironmental Materials | Magnetic, El | ectronic and Optical Materials |
| 12:10 | Contributed oral | B_O17 | DNA Smart Materials Liu, Dongsheng | EM_017 | A "natural superlattice" oxytelluride as a promising thermoelectric material for waste heat recovery Vaquerio, Paz | ENV_O17 | Catalytic conversion of hemicellulose to sugars and sugar alcohols Shiju, Nirappurackal | MEOM_017 | New Materials for High- Efficiency Organic Light- Emitting Devices (OLEDs) Bryce, Martin |
| 12:30 | Contributed oral | B_O18 | Materials for Glycomics and as Glycomimetics Gibson, Matthew | EM_O18 | Use of grazing incidence diffraction to probe electrode inhomogeneity and phase behaviour of LiFePO4 and Li(Fe,Mn)PO4 Hector, Andrew | ENV_O18 | Nickel Nanoparticles Embedded in the Framework of Mesoporous TiO₂: Efficient and Highly Stable Catalysts for HDC Li, Hui | MEOM_O18 | Polymer Composites for 3D Printing of Functional Devices Leigh, Simon |
| 12:50 | Contributed oral | B_O19 | Porous ZnO nanorod for targeted delivery of doxorubicin: in vitro and in vivo response for therapeutic applications Mitra, Shouvik | EM_O19 | Nanocomposite Capacitors: Design, Scaling, Film Fabrication and Testing, and Applications in DC-DC Power | ENV_O19 | Functionalised Carbon Adsorbents from Brown Coal for CO₂ Separation from Post- Combustion Flue Gas Streams Ciddor, Lachlan | MEOM_O19 | Surface Oxygen Defects in SrTiO3 and KTaO ₃ : Characterising their Role in the Formation of a Surface 2D Electron Gas Longsdail, Andrew |
| 13:10 | | | Biomaterials | Π | Lunch and post Energy Materials | | nvironmental Materials | Magnetic Fl | ectronic and Optical Materials |
| 14:50 | Keynote | | Polyurethane-based Scaffolds for Myocardial Tissue Engineering Ciardelli, Gianluca | | Title TBC Grant, Patrick | | Title TBC Hyatt, Neil | iviagnetic, E | Title TBC Cheetham, Anthony K. |
| 15:20 | Contributed oral | B_O20 | Bioactive sol-gel hybrid scaffolds using natural polymers for tissue engineering Poologasundarampillai, Gowsihan | EM_O20 | Understanding the Surface Properties and Oxygen Diffusion of (La,Sr) ₂ CoO ₄ Thin Film Cathodes Burriel, Mónica | ENV_O20 | Fine mineral separation using magnetic core-shell particles Moreno-Atanasio, Roberto | MEOM_O20 | Metal-Oxide Nanoparticle Mediated Enhanced Raman Scattering and Its Use in Direct Monitoring of Interfacial Chemical Reactions Li, Li |
| 15:40 | Contributed oral | B_O21 | Surface Engineering to Control Protein Conditioning and Neural Progenitor Cell Responses Roach, Paul | EM_O21 | A long term stability study of benzyl radiation-grafted alkaline anion exchange membranes for alkaline fuel cells, and their comparable model compounds Murphy, Sam | ENV_O21 | Paints and Coatings Containing Bactericidal V ₂ O ₅ Nanoparticles Combat Marine Fouling Tremel, Wolfgang | MEOM_O21 | Colossal magnetoresistance in NdMnAsO1-xFx oxypnictides Mclaughlin, Abbie |
| 16:00 | Contributed oral | B_O22 | Mediating Role of Polymer Brush Coatings on Polyester Scaffolds For Tissue Regeneration: From Poly(ethylene glycol) to Poly(oxazoline) Smart Grafts Benetti, Edmondo Maria | EM_022 | Graphene-sealed Tin Nanorods with Highly Enhanced Lithium- ion Storage Properties Ju, Jing | ENV_O22 | The use of NIR absorbing primers and backing coats to improve the energy efficiency of the cure of polyester coil coatings Gowenlock, Cathy | MEOM_O22 | Nanoscale design of noncentrosymmetric oxides with large electric polarizations Rondinelli, James |
| 16:20 | | | | | Refreshment | :s | | | |
| 16:50 | | | | | Plenary lecture (Paul N | Mulvaney) | | | |
| 17:50 | | | | | Close | | | | |
| 19:30 | | | | | Pre-dinner drin | | | | |
| 20:00 | | | | | Conference ban | quet | | | |

Thursday 11 July 2013

| | | | Biomaterials | | Energy Materials | E | nvironmental Materials | Magnetic, E | lectronic and Optical Materials |
|-------|------------------|-------|---|--------|--|---------|--|-------------|---|
| 09:00 | Keynote | | Title TBC Hilborn, Jöns | | Oxygen transport and electrochemical performances in Ca3Co4O9 derivatives as SOFC cathode Vannier, Rose-Noëlle | | Title TBC Antonietti, Markus | | Molecular spintronics using carbon nanostructures Bogani, Lapo |
| 09:30 | Contributed oral | B_O23 | Injectable Doubly Cross-Linked Microgels for Improving the Mechanical Properties of Degenerated Intervertebral Discs Saunders, Brian | EM_023 | Total Scattering Investigation of Complex Electrolytes for SOFC Malavasi, Lorenzo | ENV_O23 | A Microblock Ionomer for Hydrogen Production by Membrane Electrolysis Colquhoun, Howard | MEOM_O23 | Self-assembled organic materials for magneto-optical applications Hennrich, Gunther |
| 09:50 | Contributed oral | B_O24 | Novel in-situ setting bioactive glass-based calcium phosphate bone cement Kent, Niall | EM_O24 | High Voltage Hybrid Organic Photovoltaics using a Zinc Oxide Acceptor alongside a Boron Subphthalocyanine Chloride Donor Dearden, Chloe | | Water Adsorption and Interactions on Rutile TiO ₂ (110) for Applications in Solar Hydrogen Production: A Hybrid- Exchange Density Functional Study. Patel, Monica | | Optical engineering of metal oxides: Don't judge a crystal by its colour Bristow, Jessica |
| 10:10 | Contributed oral | B_O25 | Novel biomimetic coacervate compartments as highly versatile and durable mesoreactors Williams, David | EM_O25 | Phase variation, electron transport and recombination in ultra-fast sintered TiO ₂ films for dye-sensitized solar cells Carnie, Matthew | | Luminescent Cation-exchange Quantum dot Nanosensor for the detection of µg/L Lead Concentrations Frost, Mark | MEOM_O25 | Tuneable Device Scale Assemblies of Gold Nanorods in organic solvent by drop deposition Martin, Alfonso |
| 10:30 | | | | | Refreshments | T | | I | |
| | | | Biomaterials | | Engery Materials | Eı | nvironmental Materials | Magnetic, E | lectronic and Optical Materials |
| | | | | | | | | | |
| 11:00 | Contributed oral | B_O26 | How do antiadhesive polymers affect bacterial-bacterial communication networks? Fernandez-Trillo, Francisco | EM_O26 | Screening MOFs for Ammonia borane confinement: a promising hydrogen storage material Gadipelli, Srinivas | ENV_O26 | Inhibition of corrosion-driven organic coating delamination on hot dip galvanized steel by graphene nanoplatelets Glover, Carol | MEOM_O26 | Two Series of Transition Metal Complexes as Potential Molecular Semiconductors Silber, Georg |
| 11:00 | Contributed oral | _ | affect bacterial-bacterial communication networks? | EM_O26 | borane confinement: a promising hydrogen storage material | ENV_O26 | organic coating delamination on hot dip galvanized steel by graphene nanoplatelets | MEOM_O26 | Complexes as Potential Molecular Semiconductors |
| | | _ | affect bacterial-bacterial communication networks? Fernandez-Trillo, Francisco Graphene Oxide and Transmission Electron Microscopy: A clearer picture of soft nanomaterials | | borane confinement: a promising hydrogen storage material Gadipelli, Srinivas Identification of key parameters in the search for ideal organic compounds used as electrode materials in Li-ion batteries | _ | organic coating delamination on hot dip galvanized steel by graphene nanoplatelets Glover, Carol Improved Photocatalytic H ₂ Evolution Performance by Synergetic Effect of Inter- connected Facets in Hierarchical Anatase Spheres | | Complexes as Potential Molecular Semiconductors Silber, Georg Calcination-free photolithography of rare-earth- ion-doped phosphor films on flexible sheets |
| 11:20 | Contributed oral | B_027 | affect bacterial-bacterial communication networks? Fernandez-Trillo, Francisco Graphene Oxide and Transmission Electron Microscopy: A clearer picture of soft nanomaterials Patterson, Joseph Exploring the catalytic activity of some biomaterials in C-C bond formation | EM_027 | borane confinement: a promising hydrogen storage material Gadipelli, Srinivas Identification of key parameters in the search for ideal organic compounds used as electrode materials in Li-ion batteries Tomerini, Daniele Temperature Dependence of PSTFSI/PEO System as Single- ion Polymer Electrolyte | ENV_O27 | organic coating delamination on hot dip galvanized steel by graphene nanoplatelets Glover, Carol Improved Photocatalytic H ₂ Evolution Performance by Synergetic Effect of Inter- connected Facets in Hierarchical Anatase Spheres Wang, Danping Surface ligand mediated growth of CuPt rods Yu, Fengjiao | MEOM_O27 | Complexes as Potential Molecular Semiconductors Silber, Georg Calcination-free photolithography of rare-earth- ion-doped phosphor films on flexible sheets Wantanabe, Satoshi Oragnometallics for Opto- Electronic (O-E) Applications: Design, Synthesis and Photo- Physics of Poly(Metalla-ynes) |
| 11:20 | Contributed oral | B_027 | affect bacterial-bacterial communication networks? Fernandez-Trillo, Francisco Graphene Oxide and Transmission Electron Microscopy: A clearer picture of soft nanomaterials Patterson, Joseph Exploring the catalytic activity of some biomaterials in C-C bond formation | EM_027 | borane confinement: a promising hydrogen storage material Gadipelli, Srinivas Identification of key parameters in the search for ideal organic compounds used as electrode materials in Li-ion batteries Tomerini, Daniele Temperature Dependence of PSTFSI/PEO System as Single- ion Polymer Electrolyte Aabloo, Alvo | ENV_O27 | organic coating delamination on hot dip galvanized steel by graphene nanoplatelets Glover, Carol Improved Photocatalytic H ₂ Evolution Performance by Synergetic Effect of Interconnected Facets in Hierarchical Anatase Spheres Wang, Danping Surface ligand mediated growth of CuPt rods Yu, Fengjiao | MEOM_O27 | Complexes as Potential Molecular Semiconductors Silber, Georg Calcination-free photolithography of rare-earth- ion-doped phosphor films on flexible sheets Wantanabe, Satoshi Oragnometallics for Opto- Electronic (O-E) Applications: Design, Synthesis and Photo- Physics of Poly(Metalla-ynes) |