Conferences and Events

MACRO 2010
11–16 July 2010, Glasgow, UK

Young Polymer Scientists

Convener:
Rachel O'Reilly, University of Warwick, UK

Programme:
Monday 12 July (afternoon)
Tuesday 13 July (morning, afternoon)

A special Nurturing and Networking event will run as part of the symposium on the evening of Tuesday 13 July. Please click on the link on this page for further details.

Symposium Information

The symposium will showcase the work of young polymer scientists (aged 40 or under) from around the world - there is no restriction on topic and broadly contributions from all aspects of polymer science are welcomed. As well as research excellence, we are keen to develop networking opportunities for the global young polymer science community.

The Nurturing and Networking event will run on the evening of Tuesday 13 July as part of the symposium. Please click on the link on this page for further details about this special panel discussion.

Invited Speakers

Interactions of Conjugated Polymers with Single-Walled Carbon Nanotubes
Alex Adronov, McMaster University, Canada

Reconfiguring Stereoisomers and Activating Catalysts using Mechanical Force
Christopher Bielawski, The University of Texas at Austin, USA

Protein Cages as Macromolecular Scaffolds
Jeroen Cornelissen, University of Twente, The Netherlands

Synthesis of functional, architecturally diverse degradable polymers
Andrew Dove, University of Warwick, UK

The use of click coupling to construct functionalised cyclic polymers
Scott Grayson, Tulane University, USA

Utilization of 'Click'-chemistries for tailored Polyester Nanosponges with encapsulated Therapeutics
Eva Harth, Vanderbilt University, USA

Selenophene based polymers for photovoltaic and transistor applications
Martin Heeney, Imperial College London, UK

Self-assembly of copoly(2-oxazoline)s: From multicompartiment micelles to UCST based thermoresponsive micellization
Richard Hoogenboom, Radboud University Nijmegen, The Netherlands

Synthesis and Supramolecular Self-Assembly of Nonlinear-Shaped Responsive Polymers
Shiyong Liu, University of Science and Technology of China, China

New Strategies for Controlling Polymer Sequences
Jean-François Lutz, Fraunhofer IAP, Germany
Novel Functional Highly and Hyper-branched Polymers
Sebastien Perrier, University of Sydney, Australia

Magnetic Assembly and Colloidal Polymerization of Dipolar Nanoparticles: A New Concept in Polymer Science
Jeffrey Pyun, University of Arizona, USA

Bio-responsive nanomaterials for enzyme sensing
Molly Stevens, Imperial College London, UK

Thermoresponsive polymer-protein conjugates prepared by grafting-to and grafting-from via RAFT polymerization
Brent Sumerlin, Southern Methodist University, USA

Activated Esters in Polymer Chemistry: Synthesis of well-defined Functional Polymers and Block Copolymers
Patrick Theato, University of Mainz, Germany

Exploiting Biocatalysis in Supramolecular Synthesis of Functional Nanostructures
Rein Ulijn, University of Strathclyde, UK

Fabrication of Advanced Hierarchical Soft Materials using Responsive, Architecturally-Defined Copolymers
Jonathan Weaver, University of Liverpool, UK

Poster Presenters

Synthesis and characterization of novel poly(thiazole imide)s derived from 5,5'-methylenebis(2-aminothiazole) with some of dianhydride monomers
Ali Javadi, Tarbiat Moaalem University, Iran, Islamic Republic of

Synthesis and properties of thermally stable and organosoluble novel polyesters bearing sulfur linkages
Ali Javadi, Islamic Azad University, Iran, Islamic Republic of

Synthesis and characterization of novel organosoluble fluorinated polyamide-imides bearing ether and sulfur linkages
Ali Javadi, Iranian Academic Center for Education, Iran, Islamic Republic of

Synthesis of polyethylenes with specified properties using (CSH5)4Zr based catalytic systems
Igor Sedov, Institute of Problems of Chemical Physics RAS, Russian Federation

Designing and characterization of PVA nanoparticles for Controlled Release of Ciprofloxacin hydrochloride (Cfx). An In-Vitro Study
Rajesh Kumar Saini, Government Autonomous Science College, India

Tailored alpha-azido-omega-alkyne monomers: versatile precursors to polymer materials ranging from high molar mass polytriazoles to molecularly defined cyclic oligomers
Eric Drockenmuller, Ingénierie des Matériaux Polymères, Lyon, France

New Polymeric Sulfide-Borane Complexes as Convenient Hydroborating and Reducing Agents
Asim A. Balakit, Cardiff University, United Kingdom

Ionic liquid soluble side chain cyclic carbonate polymers for transparent, flexible and highly conductive ion gels
Satyasankar Jana, Institute of Chemical and Engineering Sciences, Singapore

Charge Induced Phase Separation in Binary Charged Colloids
Koki Yoshizawa, Nagoya City University, Japan

Vacuum Pyrolysis of Ground Tire Rubber (GTR), and Reclaimed Rubber (RR)
Abbas Kebritch, Isfahan University of Technology, Iran, Islamic Republic of

Applications of Novel Organic Polymer Composites in Suzuki and Heck Cross-coupling Reactions
Mian Wang, Institute of Chemical and Engineering Science, Singapore

Improvement of Natural Rubber by Ultracentrifugation
Danillo Godinho Rodrigues, UFG - Universidade Federal de Goiás, Brazil

Cyclic Esters Polymerization Reactions with Cyclam-Based Zr Catalysts
Luis Alves, Instituto Superior Técino, Portugal

Synthesis and crystallization of rigid-flexible aromatic polyetherketones with controlled rigid segment lengths
Jean-Michel Benoit, Université Laval, Canada

Preparation, Characterisation and Diffusion Studies of Polypyrrole, poly(1,6-
di(N-pyrrolyl)hexane) and poly(N-dodecylpyrrole)
Danesh Roudini, *Kingston University, United Kingdom*

Polycondensation of 12-hydroxydodecanoic acid in Br**ø**nsted Acidic Ionic Liquids
Shaodong Zhang, *Université Pierre et Marie Curie, France*

Identification of substances formed in a model of polyolefin containing antioxidants exposed to chlorinated water media
Wenbin Yu, *Royal Institute of Technology, Sweden*

Effect of natural rubber and epoxidized natural rubber on physical properties of poly(butylene adipate-co-terephthalate)
Nuda Pisuthian, *Prince of Songkla University, Thailand*

Oligomeric isosorbide esters as renewable resource plasticizers for PVC
Bo Yin, *Royal Institute of Technology, Sweden*

Determination of the Macromolecular Dimensions of Hydrophobically Modified Polymers by Micellar Size Exclusion Chromatography Coupled With Multiangle Light Scattering
Guillaume Dupuis, *Institut Français du Pétrole, France*

Molecular Dynamics of Regioregular Poly(3-alkylthiophene) Investigated by NMR Relaxation and an Interpretation of Temperature Dependent Optical Absorption
Koji Yazawa, *Tokyo Institute of Technology, Japan*

Electrochemical copolymerization of anisidine and o-aminophenol
Bakhshali Massoumi, *Payame Noor University, Iran, Islamic Republic of*

New coarse-grained DNA model for analysis of mechanical properties
Irina Kikot, *Semenov Institute of Chemical Physics, RAS, Russian Federation*

Synthesis and Characterization of Polyacrolein and Its Oxime and Phenylhydrazone Derivatives
Dilek Kars Mete, *Abant Izzet Baysal University, Turkey*

The significant effect of polypropylene material on the migration of antioxidants from food container to food simulants
Jonas Alin, *Fibre- and Polymer Technology, Sweden*

Preparation and characterization of organosoluble fluorinated polyamides bearing ether and sulfur linkages in ionic liquids
Masoumeh Zakeri, *Alzahra University, Iran, Islamic Republic of*

Novel Aromatic Polyoxadiazoles bearing 1,1’-thiobis(2-naphthoxy) groups
Masoumeh Zakeri, *Islamic Azad University, Iran, Islamic Republic of*

Ring-substituted polyphenylacetylenes: preparation, characterization, study of molecular weight and configurational stability
Olga Trhlíková, *Charles University in Prague, Czech Republic*

Study of molecular weight stability of MEH-PPV in solution
Dmitrij Bondarev, *Charles University in Prague, Czech Republic*

Bio-mimetic characterisation of Mimosa pudica fiber using in-situ laser diffraction technique
Rajaram Satapathy, *Spintronic Technology and Advance Research, India*

Hydroxyalkyl methacrylate based gels as supports for chiral salenMn(III) and Co(III) complexes and their application in asymmetric olefin epoxidation and hydratation epoxides
Katarzyna Matkiewicz, *Rzeszów University of Technology, Poland*

Conical deposits from drying poly(ethylene oxide) solutions
Kyle Baldwin, *Nottingham Trent University, United Kingdom*

Related Link

**Nurturing and Networking**
A special evening event, run as part of the Young Polymer Scientists symposium. All delegates are welcome to attend.

**Macro Group UK Awards**
The 2010 winners will receive their awards and present the associated lectures within Macro2010 symposia

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