

Call for Papers

We invite you to submit an abstract to present your work at the congress.

The Macro2010 call for papers opens in September 2009 and all abstracts must be submitted online via the website. The deadline for receipt of abstracts will be 29 January 2010.

Key dates

Poster abstract submission deadline	9 April 2010
Oral abstract submission deadline	29 January 2010

Registration

Congress registration will be open from late 2009 until June 2010. Please remember to register early to take advantage of the discounts available.

Early bird registration deadline	14 May 2010
Standard registration deadline	11 June 2010

Sponsorship and Exhibition



There will be many opportunities to promote your organisation's activities by sponsoring or exhibiting at Macro2010. The exhibition will be situated in the main hub of the conference, in the refreshment service and poster area, just a short walk from sessions. Please contact RSC Conferences to discuss the opportunities available.

The SECC

The Scottish Exhibition and Conference Centre (SECC) is Scotland's national venue for public events, located in the centre of Glasgow. Plenary lectures at Macro2010 will be given in the 3000 seat Clyde Auditorium, designed by Sir Norman Foster.

Visiting Glasgow

Glasgow is a welcoming and friendly city with a great architectural and artistic heritage. It is also an affordable destination, with accommodation to suit all tastes and budgets within 30 minutes of the SECC. Whether you are travelling from within the UK or abroad, Glasgow is easy to get to by air, rail or road. Many budget airlines fly direct to Glasgow and there are direct flights from many major international destinations. For delegates travelling by rail, Glasgow is well served by two major UK train operators with direct links to the major UK cities. Detailed information on planning your trip to Glasgow and booking accommodation will be made available on the Macro2010 website in the coming months.

Congress Scientific Committee

Peter Lovell*, University of Manchester (Congress Chairman)
David Haddleton*, University of Warwick (Scientific Committee Chairman)
Richard Jones*, University of Sheffield
Neil McKeown*, University of Cardiff
Manfred Bochmann, University of East Anglia
Mike Eaton, UCB Celltech
Peter Griffiths, University of Cardiff
Ezat Khoshdel, Unilever
Tony Kinloch, Imperial College
Tom McLeish, University of Leeds
Rachel O'Reilly, University of Warwick
Steve Rimmer, University of Sheffield
Tony Ryan, University of Sheffield
Dave Sherrington, University of Strathclyde
Ian Shirley, Syngenta

* The Congress Organising Committee

International Advisory Committee

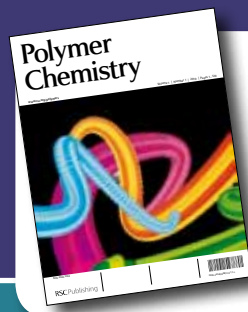
Please visit the website to see the names of over 100 international polymer scientists who are supporting the Congress Scientific Committee with advice on the programme.

Further information and contacts

Visit www.MACRO2010.org for the latest information or contact RSC Conferences.

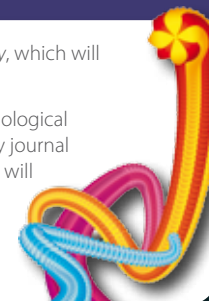
Email: macro2010@rsc.org | Tel: +44 (0) 1223 432254 / 432380 | Fax: +44 (0) 1223 423623

Registered Charity Number 207890



In June 2009 the RSC announced the launch of *Polymer Chemistry*, which will publish its first issue early in 2010.

Polymer Chemistry will encompass all aspects of synthetic and biological macromolecules, and related emerging areas. The new monthly journal (Editor in Chief, Dave Haddleton, Scientific Chair of Macro2010) will provide a showcase for the ongoing efforts driving polymer chemistry, highlighting the creativity of the field and previously inaccessible applications.



MACRO2010

43rd IUPAC World Polymer Congress

Polymer Science in the Service of Society

Scottish Exhibition and Conference Centre
(SECC), Glasgow, UK
11 - 16 July 2010

Call for Papers



The 43rd IUPAC World Polymer Congress, 'Macro2010', is the latest in the series of the biennial meetings of the IUPAC Polymer Division. The series has been running for several decades and is the largest international multi-symposium conference dedicated to all aspects of polymer science and engineering.

Macro2010 is organised by the Royal Society of Chemistry (RSC) and hosted by the Pure and Applied Macromolecular Chemistry Group (Macro Group UK), a joint interest group of the RSC and the Society of Chemical Industry (SCI). The conference is officially sponsored by the International Union of Pure and Applied Chemistry (IUPAC).

Who is the congress aimed at?

The congress will bring together scientists from all over the world and all disciplines relating to polymer science with the aim of discussing frontier research on a wide range of contemporary topics. This will afford an opportunity for the state-of-the-art international situation in key areas of polymer science and related disciplines to be established, evaluated and moved forward by the leading scientists in this field.

There will be a strong emphasis on contributions from young polymer scientists. There will be sessions dedicated to invited papers from highly-talented young researchers, including award lectures, and a session on international good practice in nurturing the careers and helping networking of young researchers. Additionally, young researchers are encouraged to submit oral and poster papers to the programme in which the poster sessions will have a prominent position.

Programme and themes

Macro2010 will have an overall focus on 'Polymer Science in the Service of Society'.

The congress will span the chemistry, physics, engineering and applications of polymers and will embrace all disciplines with polymer-related interests and activity. The growing specialisation in use of polymers (e.g., in electronics, optics, personal care, health, diagnostics) is reflected in the programme themes

Themes

- Delivering New Polymers for Service in Society: Advances in Polymer Chemistry
- Molecular to Macroscopic Behaviour of Polymers
- Sustainability: Renewable Resources and Environmentally-Friendly Polymers
- Polymers in Support of Life
- Functional Polymers for Electronics, Energy and Analysis
- Polymer Science in Everyday Life
- Advances in Colloidal and Nanosize Polymer Materials
- Young Polymer Scientists: Contributions, Nurturing and Networking

Plenary Speakers

- Professor Jean M J Fréchet, University of California, Berkeley, USA
- Professor Sir Richard Friend, FRS, University of Cambridge, UK
- Professor Ming Jiang, Fudan University, China
- Professor Laura Kiessling, University of Wisconsin-Madison, USA
- Professor Kiyohito Koyama, Yamagata University, Japan
- Professor Ludwik Leibler, ESPCI CNRS, Paris, France

Posters

An important part of the congress will be the poster sessions – a great opportunity to network and present your work. Dedicated poster sessions associated with the symposia will run on the Tuesday, Wednesday and Thursday afternoons of the congress.

These pages contain headline information on the 28 symposia comprising the parallel sessions programme. Please see the website for full details of each symposium, including co-conveners, invited speakers and symposium keywords.

Theme: Delivering New Polymers for Service in Society: Advances in Polymer Chemistry

Click and efficient linking chemistry in polymer synthesis

Convener: Dave Leigh, University of Edinburgh, UK
Keynote: Craig Hawker, UC Santa Barbara, USA

Dendrimers and hyperbranched polymer synthesis

Convener: Wayne Hayes, University of Reading, UK
Keynote: Dieter Schlueter, ETH Zurich, Hönggerberg, Switzerland

Living radical polymerisation

Convener: Dave Haddleton, University of Warwick, UK
Keynotes: Axel H E Müller, University of Bayreuth, Germany
Virgil Percec, University of Pennsylvania, USA

Supramolecular polymers and self assembly

Convener: Joachim Steinke, Imperial College London, UK
Keynote: E.W. 'Bert' Meijer, Eindhoven University of Technology, The Netherlands

Polymerisation kinetics and new concepts in polymerisation

Convener: Tom Davis, University of New South Wales, Australia
Keynote: Kris Matyjaszewski, Carnegie Mellon University, USA

Theme: Molecular to Macroscopic Behaviour of Polymers

Designing block copolymers: theory, experiment and applications

Convener: Andrei Zvelindovsky, UCLan, UK
Keynote: Tom Russell, University of Massachusetts, USA

Probing single macromolecules

Convener: Hagan Bayley, University of Oxford, UK
Keynote: Daniel Branton, Harvard University, USA

Rheology and dynamics of polymer solutions and gels
Convener: Peter Williams, Glynd r University (formerly NEWI), UK

Keynote: Gareth H. McKinley, MIT, USA

Mechanical properties of polymer materials and fibres

Convener: Costantino Creton, Laboratoire PPMD – ESPCI, France
Keynote: Mark Ediger, University of Wisconsin-Madison, USA

Theme: Sustainability: Renewable Resources and Environmentally-Friendly Polymers

Biodegradable and sustainable polymers

Convener: Andrew Dove, University of Warwick, UK
Keynote: Geoff W Coates, Cornell University, USA

Polysaccharides: chemistry, structure, properties and technology

Convener: Stephen Eichhorn, University of Manchester, UK
Keynote: Kristi Kiick, University of Delaware, USA

Theme: Polymers in Support of Life

Colloids and surfaces for biomaterials applications

Convener: Brian Saunders, University of Manchester, UK
Keynote: Calum Drummond, CSIRO Materials Science and Engineering, Australia

Polymer networks and responsive polymers in the life sciences: synthesis, properties, performance and fabrication

Convener: Steve Rimmer, University of Sheffield, UK
Keynote: Kristi Anseth, University of Colorado, USA

Polymers for tissue engineering and regenerative medicine

Convener: Neil Cameron, Durham University, UK
Keynote: Molly Shoichet, University of Toronto, Canada

Polymers in therapeutics: polymer nanomedicines

Convener: Giuseppe Battaglia, University of Sheffield, UK
Keynote: Kazunori Kataoka, University of Tokyo, Japan

Theme: Functional Polymers for Electronics, Energy and Analysis

Polymer electronics

Part 1 - Synthesis and Processing of Polymers for Electronic Applications
Part 2 - Polymer-based Photovoltaics
Part 3 - Emerging Applications
Convener: Steve Yeates, University of Manchester, UK
Keynotes: Donal Bradley, Imperial College London, UK
Antonio Facchetti, Northwestern University, USA

Molecularly imprinted polymers

Convener: Peter Cormack, University of Strathclyde, UK
Keynote: Kenneth Shea, University of California, Irvine, USA

Membranes, nanoporous polymers and fuel cells

Convener: Peter Budd, University of Manchester, UK
Keynote: Young Moo Lee, Hanyang University, Korea

Polymers for sensors

Convener: Aleksandar Radu, Dublin City University, Ireland
Keynote: Johan Bobacka, Åbo Akademi, Finland

Polymers in liquid crystalline materials

Convener: Ingo Dierking, University of Manchester, UK
Keynote: Mark Warner, University of Cambridge, UK

Theme: Polymer Science in Everyday Life

Advances in polyolefins: from catalyst design to smart molecular processing

Convener: Manfred Bochmann, University of East Anglia, UK
Keynotes: Tobin J Marks, Northwestern University, USA
Ronald G Larson, University of Michigan, USA

Polymers in adhesives

Convener: Andrew Slark, Henkel, UK
Keynote: Wulf Possart, University of the Saarland, Germany

Polymers in the home, personal care and agriculture

Convener: Ezat Khoshdel, Unilever, UK

Keynote: Jim Darwent, University of Liverpool, UK

Theme: Advances in Colloidal and Nanosize Polymer Materials

Colloidal and nanoscale polymer composites: fundamentals through to applications

Convener: João Cabral, Imperial College London, UK
Keynote: Anna C Balazs, University of Pittsburgh, USA

Polymer colloids: from synthesis to applications

Convener: Stefan Bon, University of Warwick, UK
Keynotes: Alfons van Blaaderen, Utrecht University, The Netherlands
Younan Xia, Washington University in St. Louis, USA

Special Symposia

Young polymer scientists

Part 1 - Highlights and Awards
Part 2 - Nurturing and Networking
Convener: Rachel O'Reilly, University of Warwick, UK
Please note that this symposium will comprise invited speakers only, and therefore a call for papers will not operate for these sessions.

Polymer Education

Convener: Jean-Pierre Vairon, Université Pierre et Marie Curie, France
Invited speakers to be confirmed. There will be a call for contributed papers

DSM Performance Materials Symposium

The DSM Performance Materials Symposium is held at the Congress in honour of the recipient of the DSM Performance Materials Award, which is made biennially at the IUPAC World Polymer Congress. A DSM-defined committee select the winner based on their originality, quality, impact, scientific reputation, and communication and presentation skills. The winner of the award presents a Plenary Lecture at the Congress and is presented with a plaque and a prize.