

iupac2009@rsc.org



# 42nd IUPAC CONGRESS

Chemistry Solutions

2-7 August 2009

SECC | Glasgow | Scotland | UK

## Call for abstracts

Sponsored by

 **Schering-Plough**

Incorporating the 45th IUPAC General Assembly 31 July – 6 August 2009

**RSC** | Advancing the  
Chemical Sciences



[www.iupac2009.org](http://www.iupac2009.org)



## **Welcome to IUPAC 2009, the 42nd IUPAC Congress, one of the most important international chemistry events.**

On behalf of IUPAC, the RSC is delighted to host the 42nd Congress, the history of which goes back to 1894. RSC and IUPAC members, groups and networks have contributed a wealth of ideas to make this the biggest UK chemistry conference for several years.

As well as a programme including more than 50 symposia, a large poster session and a scientific exhibition, we are planning a series of social and satellite events to enhance networking and discussion opportunities.

**This is your chance to take part in IUPAC 2009. Contributions are invited for oral presentation by 16 January 2009 and poster abstracts are welcome until 5 June 2009. See overleaf for more details.**

### **Welcome address**

One of Scotland's most senior scientific and business figures, Sir Tom McKillop (Chairman of the Royal Bank of Scotland and former CEO of AstraZeneca) will formally open the congress on the evening of Sunday 2 August.

### **Plenary speakers**

Plenary lectures will begin and close each day of the congress. We are very pleased to announce that the following outstanding scientists have agreed to give plenary lectures:

**Professor Peter G Bruce FRS**

University of St Andrews

**Professor Chris Dobson FRS**

University of Cambridge

**Professor Ben L Feringa**

University of Groningen

**Professor Sir Harold Kroto FRS**

Florida State University

**Professor Klaus Müllen**

Max-Planck Institute for Polymer Research

**Professor Sir J Fraser Stoddart FRS**

Northwestern University

**Professor Vivian W W Yam**

The University of Hong Kong

**Professor Richard N Zare**

Stanford University



The aim of the 42nd IUPAC congress is to reflect the breadth of the chemical sciences, highlighting the impact of our science and exciting innovations with an overall focus on 'Chemistry Solutions'. The programme addresses the important challenges facing both the chemical sciences and society today such as climate change, energy, sustainability and healthcare.

Themes will overlap in several places and the programme has been designed to be accessible and relevant to all. The list of the main themes and symposia is below; for more details on each symposium including keynote and invited speakers please visit the website: [www.iupac2009.org](http://www.iupac2009.org)

## Analysis & Detection

**Coordinator: Duncan Graham**

**University of Strathclyde**

- Heritage Science
- Analytical Challenges in the Nanosciences
- Astrochemistry
- Forensic Science
- Miniaturised Electroanalytical Systems
- Quality Assurance of Medicines and Detection of Counterfeits

## Chemistry for Health

**Coordinator: Chris Hill**

**Schering-Plough**

- Chemistry of the Cell
- Chemistry for Solving Biological Problems
- The Chemistry-Biology Interface: Drug Targets and Diagnostics
- DNA-based Electrochemical Devices and Biosensors
- Heterocyclic Chemistry: Synthesis, Chemical Biology and Drug Discovery
- Natural Products
- Oxygen Activation and Sensing by Iron in Biology
- Peptides as Contrast Imaging Agents for MRI and PET
- Bioinorganic Toxicity, Poison or Cure
- Chemistry in the Food Chain and Health

## Communication & Education

**Coordinator: Peter Atkins**

**University of Oxford**

- Chemistry Education
- Ethics, Science and Development

## Energy & Environment

**Coordinator: Dwayne Heard**

**University of Leeds**

- Sustainable Water
- Chemistry and the Hydrogen Economy
- Artificial Photosynthesis
- Chemistry Addressing Climate Change
- Biofuels
- Analytical and Risk Considerations for Emerging Environmental Issues
- Formulating for the Green Renewable Age
- Nuclear Fission, Nuclear Fusion and the Environment

## Industry & Innovation

**Coordinator: Sandy Dobbie**

**Cogency, Glasgow**

- Catalysis for a Sustainable Future
- Safety Training Workshop
- Innovation and Creativity: A Formula for Success



## Materials

**Coordinator:** Pete Skabara

**University of Strathclyde**

Incorporating the successful 'MC' conference series, MC9:

- Solid State
- Adaptive Nanomaterials
- Computational Nanoscience
- Crystal Engineering
- Green Materials Synthesis
- Biomaterials

## Polymers:

- Developing Polymer Materials
- Polymer Molecular Characterisation
- Polymerisation Kinetics

## Energy:

- Nanomaterials for Energy Conversion
- Energy Materials: Batteries and Fuel Cells
- Catalysis for Energy
- Hydrogen Storage
- Power Generation

## Electronics and Devices:

- Organic Electronics
- Molecular Electronics and Magnetics
- Molecular Machines and Devices

## Outside MC9:

- Chemistry for Electro-Optic Displays
- Bionanotechnology
- Soft Matter

## Synthesis & Mechanism

**Coordinator:** Guy Lloyd-Jones

**University of Bristol**

- Applications of Functional Metal Complexes and Ligand Design
- Molecular Control of Degradable Polymers for Biomedical Applications
- Main Group Chemistry
- Mechanisms in Chemistry
- Impact of New Physical and Computational Methods
- Molten Salts and Ionic Liquids

## Keynote speakers

Many scientists have already agreed to deliver keynote lectures at the congress, including:

**Joel Bernstein**

Ben-Gurion University

**David Clary**

University of Oxford

**Avelino Corma**

Universidad Politécnica de Valencia

**Laurence Hurley**

University of Arizona

**Graham Leggett**

University of Sheffield

**Stephen Leone**

UC Berkeley

**Michael Shuler**

Cornell University

**Craig Townsend**

Johns Hopkins University

**Karen Wooley**

Washington University in St Louis

For a full list, please visit the website.

# Call for abstracts



The IUPAC 2009 programme features more than 50 symposia arranged in parallel sessions. A large number of contributed abstracts will be selected by symposium conveners for oral presentation.

Abstracts for poster display are also strongly encouraged for each symposium, and will be shown in the main 'hub' of the congress, close to the exhibition, registration and refreshment points.

## How to submit an abstract

Submitting your abstract for review couldn't be easier with our step-by-step online submission system. See the IUPAC 2009 website 'call for abstracts' link.

Submissions are invited as two files: a short graphical abstract (to be printed in the conference abstract book) and a full page abstract which will be made available to IUPAC delegates online.

<b>Oral abstract deadline:</b>	<b>16 January 2009</b>
<b>Poster abstract deadline:</b>	<b>5 June 2009</b>

## Registration

You can register to attend the congress from January 2009 until July 2009. Please remember to register early to take advantage of the discounts available.

Early bird registration deadline: 5 June 2009 | Standard registration deadline: 3 July 2009

Registration fees (including VAT):

Registration type	Early bird	Standard
RSC member / IUPAC affiliate	£265	£315
Non-member	£315	£365
Student RSC member / IUPAC affiliate	£95	£145
Student non-member	£120	£170
One-day registration	£150	£200

Special registration rates for General Assembly participants, accompanying persons and exhibition visitors will also be available.

Non-members who register to attend are eligible to apply for free RSC membership in 2010.



## Sponsorship and exhibition

The 42nd IUPAC Congress offers a unique opportunity to promote your organisation to over 2000 leaders in Chemistry. Containing posters, catering, a contacts forum and careers opportunities and advice, the exhibition at the heart of the congress will be an essential part of the attendees' programme. Exhibition spaces are already being reserved, so don't leave it too late! For full information on the exhibition and sponsorship opportunities at IUPAC 2009, contact us at RSC Conferences or visit the website.

## Venue

The Scottish Exhibition and Conference Centre (SECC) is Scotland's national venue for public events. It's also the UK's largest integrated exhibition and conference centre. IUPAC 2009 will be using the majority of this impressive venue.

## Visiting Glasgow

Glasgow is a welcoming, friendly city with a rich architectural and artistic heritage. It is also an affordable destination, with a range of accommodation to suit all tastes and budgets available to our delegates.

Whether you are travelling from abroad or the UK, Glasgow is easy to get to by air, rail or road. See the website for more details.

## Social programme

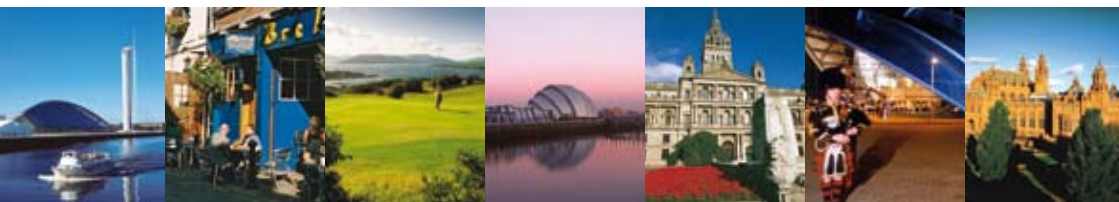
The social programme will reflect the vibrant architecturally rich city of Glasgow and its location at the gateway to Scotland. The congress banquet will take place on Thursday 6 August in the Kelvingrove Art Gallery and Museum. Recently restored to its original Victorian splendour, Kelvingrove is Scotland's most visited attraction. Visit the website for information on the other planned social events.

## Further information and contacts

Visit [www.iupac2009.org](http://www.iupac2009.org) for the latest information or contact RSC Conferences.

Sponsored by

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**Royal Society of Chemistry**  
RSC Conferences

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