

## Venue and Travel

The Edinburgh Conference Centre, Heriot-Watt University, Edinburgh  
The Edinburgh Conference Centre is located in the beautiful grounds of the Heriot-Watt University campus, 6 miles from the city centre. It is ten minutes from Edinburgh International Airport and is just off the city centre bypass which connects with Scotland's motorway network, making it easily accessible from all over Scotland and beyond. It is also served by three bus routes from the city centre. The ECC shares its entrance with the main reception of Heriot-Watt University.

Detailed travel information may be found on the event website.

## Accommodation

Details of accommodation, which will include university halls of residence, will be available on the website once registration has opened.

## Registration Fees

One of the principal aims of this conference is to encourage wide participation and, to enable this, the cost to participants is kept to a reasonable level. The conference fees will be [approx.]:

- £365 Royal Society of Chemistry member
- £185 Royal Society of Chemistry student member
- £550 Non-RSC member
- £305 Non-RSC student members

The fee will include lunches, refreshments, the poster buffet dinner and the Conference Dinner. All participants are asked to cover their own accommodation and travel costs.

## Conference Executive Committee Officers

- Dr David J A McCaffrey (Conference Chairman), McEnergy Consultancy
- Mr Michael Harrington (Conference Committee Secretary), EDF Energy plc
- Miss Ike Sikuade (Conference Treasurer), HSBC Bank plc
- Prof James A Anderson (Conference Programme Co-ordinator), University of Aberdeen
- Dr Edward J Anthony (Publicity Officer), Cranfield University.
- Dr Richard Oldroyd (Sponsorship Officer), Elkington and Fife LLP

## Conference Executive Committee

- Dr Susana Garcia-Lopez, Heriot-Watt University (local organiser)
- Mr John Greene, Consultant
- Prof Mercedes Maroto-Valer, Heriot-Watt University (local organiser)
- Dr Stuart A Norman, E.ON Technologies
- Mr Stephen Preece, EDF Energy plc
- Mr Brian Shelley, MRSC
- Dr Trystan M Watson, Swansea University
- Dr Di Wei, Nokia Research Centre

## Conference Advisory Board

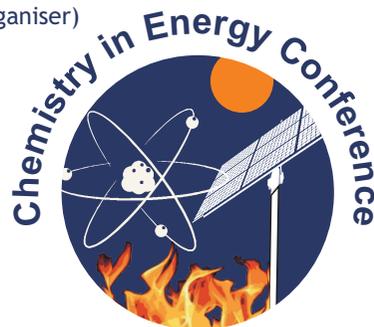
- Dr Miles Drake, Weyerhaeuser (USA)
- Dr James R Gasson, Fraunhofer Institute (Germany)
- Dr Kinson C Kam, Haldor Topsoe A/S (Denmark)
- Prof Tong Lin, Deakin University (Australia)

## Secretariat Contact

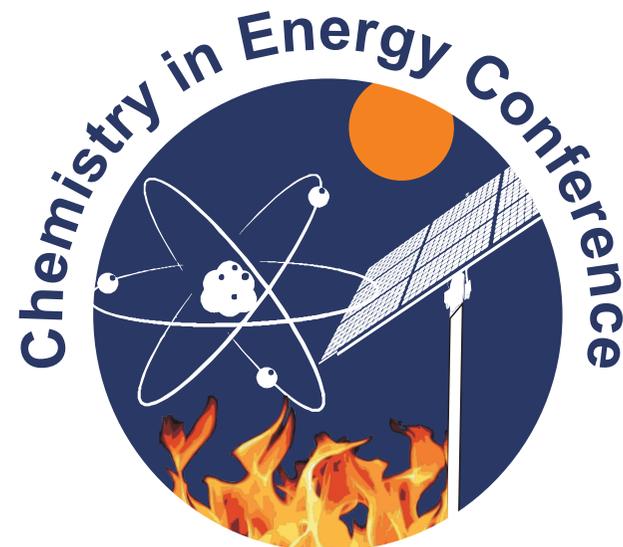
Mrs Maggi Churchouse, Maggi Churchouse Events  
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Telephone and fax: 01359 221004  
E-mail: maggi@maggichurchouseevents.co.uk

## Website Address

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



## Conference Announcement and Call for Papers



# 1<sup>st</sup> Chemistry in Energy Conference (1st CEC)

Monday-Wednesday, 20th-22nd July 2015

Heriot-Watt University, Edinburgh, UK



RSC Energy Sector

## Overview

The Energy Sector of the Royal Society of Chemistry is pleased to announce that it is organising and promoting the 1st “Chemistry in Energy” conference to be hosted by Heriot-Watt University in Edinburgh, Scotland. With a history dating back to 1821, Heriot-Watt University has established a reputation for world class teaching and practical, leading edge research, which has made it one of the top UK Universities for business and industry. It is a vibrant, forward-looking University, well known for the quality of its degrees and where it offers an outstanding environment for postgraduate study and research. The University has excellent facilities and is ranked as one of the top Universities worldwide.

It is a particularly well-chosen location for this 1st “Chemistry in Energy” Conference as energy research is a core activity at Heriot-Watt University. The University’s Energy Academy covers a wide spectrum of energy research across the whole University, which ranges from conventional fossil fuels to solar energy and energy-focused materials through to energy economics, use, policy and logistics. The University’s engagement with the challenges of climate change, sustainability and security of supply has contributed towards the global understanding of these issues. It has also helped to focus the University’s achievements on how best to match its skills base to these emerging research and knowledge exchange issues.

Edinburgh, the historic capital of Scotland, and standing on the southern shore of the Firth of Forth, has much to offer the conference delegate. From the cobbled streets of the medieval Old Town near Edinburgh Castle and the Royal Mile leading to Holyrood Palace and Arthur’s Seat, to the modern shops, bars and restaurants and gardens of the Georgian New Town, there is something to appeal to everyone in this vibrant city. Nearby and open to visitors, the former Royal Yacht Britannia is moored in the Port of Leith.

## Scope and Purpose of the Conference

The purpose of this Conference is to bring together scientists and technologists from academia and industry with interests in the applications of Chemistry in the Energy Industry. This RSC Energy Sector 1st “Chemistry in Energy” conference aims to embrace all aspects of energy-related research, where chemistry and the chemical sciences play a key or underpinning role in solving the UK’s combined energy challenges of carbon emissions, energy costs and security of supply. The scope of the conference will be broad and will include all energy forms and technologies.

## Submit an Abstract

The 1st CEC Conference invites the submission abstracts in the format described on the event website. Abstracts should be submitted to the Secretariat by e-mail by 31st December. The purpose of these abstracts is to enable the Programme Sub-committee to assess their suitability for the Conference Programme and it is the intention of the Conference Executive Committee to publish the submitted abstracts in the form of a booklet of the Conference Proceedings, to be distributed at the Conference.

Prospective authors are asked to submit one or more abstracts by downloading a template from the website. The closing date for submissions is 23rd January 2015, and submitted abstracts MUST conform to the specified format. For accepted abstracts, one author must present the abstract at the conference either as an oral presentation or as a poster. This author must register and pay his/her conference fee before 15th May 2015, otherwise their paper/poster cannot be confirmed in the programme. Abstracts will be assessed on receipt on a continuous basis so an early submission will enable an advanced response regarding its acceptance for the conference programme.

## Abstract Themes

Abstracts, which describe the applications of Chemistry in Energy are now invited. The scope should cover, but is not limited to, the mainstream energy sources.

- **Fossil fuels:** oil, gas and coal), (upstream and downstream and including carbon capture and storage, environmental issues, including emissions to air, environmental mitigation and control systems, future fossil fuel power generation technologies and steam cycle chemistry/materials issues
- **Nuclear:** nuclear waste management and reprocessing, materials issues/structural integrity, including the effect of chemistry on the degradation of materials in reactor systems and reactor coolant chemistry including corrosion
- **Renewables:** fuel cells/energy storage (including batteries), solar photovoltaics/solar thermal, solar fuels, biofuels/biomass, geothermal and hydro, wind and wave energy systems

In addition, the conference will also welcome abstracts, which illustrate contributions from chemical sciences to unconventional energy sources, (fracking and underground gasification), nuclear fusion, maximising oil and gas recovery, solving challenges for fossil fuels, transitioning to renewables, energy distribution and conversion, materials developments for energy technologies, environmental and emissions issues, and analytical chemistry in the energy industry.

Research students are strongly encouraged to submit papers, attend and give presentations, and conference fees for students will be significantly reduced.

## Proceedings

It is the intention to publish papers arising from the conference oral presentations and posters in an academic journal, where further details will be published at a later date.

## Timetable

<b>23 Jan 2015</b>	Abstract submission and preliminary registration closes
<b>13 Feb 2015</b>	Acceptance of submitted abstracts/authors informed
<b>13 Mar 2015</b>	Provisional programme complete
<b>15 May 2015</b>	Last date for registration by presenters of paper/poster
<b>12 Jun 2015</b>	Last date for discounted registration

## Sponsorship and Exhibition Opportunities

### Silver Package (£500)

- \* Your logo in all conference publications
- \* Your organisation’s literature (one piece) included in all conference packs

### Gold Package 1 (£1,000)

- \* Silver Package, plus exhibition stand

### Gold Package 2 (£1,000) - scientific or learned societies only

- \* Silver Package, plus your members register at the RSC Member rate

### Platinum Package 1 (£1,500)

- \* Silver Package, plus named sponsorship of a specific conference lunch

### Platinum Package 2 (cost to be determined)

- \* Silver Package, plus named sponsorship of the Poster Buffet Dinner or the Conference Dinner

