

RSC NEWS

FEBRUARY 2012 www.rsc.org

Going for Gold!

DAVID WILLETTS CONGRATULATES
UK STUDENT ON THIRD PLACE AT THE
INTERNATIONAL CHEMISTRY OLYMPIAD



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RSC | Advancing the
Chemical Sciences

**MEMBERS
SURVEY
RESULTS**

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**SOLAR
FUELS FOR
THE FUTURE**

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◀ The RSC's Scottish Local Sections, together with the University of St Andrews School of Chemistry, have launched a new online interactive Chemistry Map of Scotland. Thought up by Richard Baker of St Andrew's Department of Chemistry, and developed as part of the 2011 International Year of Chemistry celebrations, the project encourages school children to pen short articles about the histories of local chemistry heroes, landmarks, industries and events. Dedicated to the late Nigel Botting, senior chemistry lecturer at St Andrews and long term member of the RSC, this new resource allows children to use skills and knowledge from across their school curriculum to bring chemistry to life. The Chemistry Map of Scotland has gained recognition by Scottish MSPs, with Roderick Campbell tabling a motion in the Scottish Parliament to congratulate the University of St Andrews and the RSC on developing and promoting this new tool for inspiring young Scottish scientists.



▲ In 2011, the RSC's Organic Division organised the prestigious Pfizer Poster Symposium. Sponsored by Pfizer Neusentis, the symposium was held on 5 December at the RSC's Chemistry Centre in London, with 30 students selected to display their research. Judging was carried out by Alan Brown (Pfizer Neusentis), Stephen Clark (University of Glasgow) and Nick Westwood (University of St. Andrews). Despite tough competition, first prize was awarded to Benjamin Haffemayer (University of Cambridge) for his research on 'amine directed sp^2 and sp^3 C-H bond functionalisation'. Runners up were Guang Yang (University of Glasgow) and Lindsay McMurray (University of Cambridge), with Michael Tait (University of Birmingham) winning the participants' prize. The RSC Organic Division Council thanks all those involved with the event.



▲ The RSC is excited to announce new apps for iPads, iPhones and Android devices, allowing you to access RSC publications on the move. As well as providing a free app for iOS users, RSC Publishing has now unveiled the free Android version. What's more, *Chemistry World* has just released its own iPhone and Android apps, which are free to members and non-members alike, until 1 April 2012, through the App Store and Android marketplace. Simply log on with the username 'freetrial' and password 'rscchemworld' to read the latest articles and explore the back issues of *Chemistry World*. Once you have downloaded the app, email the *Chemistry World* team to let us know what you think. chemistryworld@rsc.org
After 1 April, access will be restricted to members and e-members only.

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snapshot

A look at the latest news from around the world

Willetts congratulates young UK chemist



Minister for Science and Universities presents a giant medal to UK star student

UK student David Edey won third place in the finals of the International Chemistry Olympiad

Enthusiasm about the excitement of chemistry while strengthening international relationships is a goal the RSC is passionately committed to. With funding from INEOS, the RSC runs the annual UK heats for the International Chemistry Olympiad – a worldwide competition in chemistry for post-16 year old students.

More candidates than ever took part in the UK 2011 heats, which are an education enrichment exercise in their own right. Four students were selected for the final in Turkey, and of these David Edey not only won gold, but also came third in the world, above hundreds of other students.

To recognise David's achievement, RSC President David Phillips and the Minister for Science and Universities,

David Willetts, presented him with a giant gold medal in December.

Events such as the Olympiad play an important role in encouraging students to pursue chemistry further. However issues of funding and capital spending threatening to jeopardise chemistry courses nationwide.

David Phillips and RSC Science, Education and Industry Managing Director, Neville Reed, discussed these pressing issues with David Willetts. They also raised the ongoing ramifications of spending cuts to organic chemistry, and the key role of medicinal chemists in building a new framework for pharmaceutical research. By focusing attention on these areas, the RSC is actively engaging the government to ensure the voice of the chemistry community is heard loud and clear.

IN BRIEF

ACS RECEPTION

The RSC will once again be hosting a reception for members and special guests at the Spring ACS Meeting in San Diego this year. The reception will be held in one of the main convention hotels from 17:00-18:30 on Sunday 25 March. The RSC warmly invites members and their partners or guests to come along for drinks and light refreshments.

For further details and registration details please go to www.rsc.org/ConferencesAndEvents/RSCevents/acsreceptionregistration.asp

SAVE THE DATE!

The RSC's Summer Reception at the Royal Academy of Arts will take place this year on 17 July. It's a great opportunity to network with politicians, distinguished scientists and other RSC members. Ticket information will be published in *RSC News* in the spring.

LabSkills reaches India



Award-winning Chemistry LabSkills, a suite of interactive online teaching resources, is being introduced at the Indian Institute of Science Education and Research (IISER) Pune in India.

Developed by Bristol ChemLabs in association with Learning Science Ltd, LabSkills is a virtual laboratory which supports students and teachers learning and teaching practical chemistry at pre-university and undergraduate levels. It provides students with a complete introduction to the experimental skills and techniques they will use in their chemistry courses.

The need to develop practical skills to support the growth of chemistry in India is highlighted in the RSC's 2011 report *Developing Talent in the Chemical Sciences*. The introduction of LabSkills represents an important step in addressing this issue by enabling teachers and students to develop their practical laboratory skills.

The RSC collaborated with Pfizer in 2009 to roll out LabSkills to every secondary school in the UK.

Stay Connected

Renew your membership for 2012

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Catalysis on the agenda in South Africa



Delegates gave feedback that the opportunity to network was extremely valuable

The Faraday Division co-organised a workshop with the South African Chemical Institute

Scientists and engineers from South Africa came together in November at a workshop to discuss the role of catalysis in sustainable development.

Organised by the RSC's Faraday Division and the South African Chemical Institute (SACI), the workshop covered four key topics which feature in the RSC's roadmap *Chemistry for Tomorrow's World*: water; energy; food technologies; and, sustainable technologies.

Whilst research into the use of catalysts in addressing Africa's air and water issues is already being done, it is relatively low key. The workshop, which focused mainly on heterogeneous catalysis, included sessions on catalyst preparation, characterisation and usage. The meeting enabled researchers to develop their understanding of both

experimental and computational methods.

Delegates also had the opportunity to network with other South African scientists and explore the potential for collaboration.

As part of the feedback carried out after the workshop, delegates were asked what they found most useful. Comments included: 'interacting with fellow researchers and acquiring more knowledge of the field', and 'aspects of surface chemistry and catalysis dealing with major problems in the world such as pollution'.

The workshop was held in collaboration with the Pan Africa Chemistry Network and took place at the University of the Witwatersrand in Johannesburg from 16 to 19 November 2011.

INBRIEF



EUCHEMS NEWSLETTER

The February 2012 issue of the EuCheMS Newsletter (European Association for Chemical and Molecular Sciences) is now online.

www.euchems.org/news/newsletters.asp

This issue includes news from the EuCheMS General Assembly. It covers the EuCheMS roadmap for chemical sciences, which builds on the RSC roadmap *Chemistry for Tomorrow's World*. And it reports on the RSC's Chemistry Connections tool to build a historical picture of chemical scientists, encouraging European chemists to contribute with their own profile. <http://my.rsc.org/chemistryconnections>

Accreditation for BSc degrees

In its ongoing efforts to maintain education standards for chemistry, the RSC is reintroducing formal BSc degree accreditation to complement its well established Integrated and Discrete Master's (MChem/MSci/MSc/MRes) accreditation process.

The benefits of the reintroduction are threefold:

- A more flexible accreditation process to better reflect current UK degree provision, such as more universities introducing BSc degrees.
- To allow the RSC to work with chemistry departments in the UK and Republic of Ireland that don't currently offer Master's programmes.
- Bachelor's accreditation will be available for overseas universities to explore (in India, SE Asia, Middle East and beyond).

For more information please contact Toby Underwood.

underwoodt@rsc.org

You can also consult the Key Requirement Criteria online.

www.rsc.org/accredit

Scottish education

The RSC, in consultation with its Education Division for Scotland, recently responded to the Scottish Government's pre-legislative paper on post-16 education.

The RSC whole-heartedly supports the overall vision, and the RSC response is aimed at suggesting ways the Scottish Government can achieve this by addressing key areas of concern.

For more information on this, contact the education team.

education@rsc.org

onetoone

Take advantage of a wide range of member services

For over 90 years, the RSC Benevolent Fund has been supporting members and their families in times of difficulty. Is there support that it can offer you?

Members tell us that the Benevolent Fund is one of the most valuable services we offer so if you've been sweeping concerns under the carpet or feel confronted by unavoidable pressures, perhaps now is the time to consider asking for help.

■ Help is at hand

The Benevolent Fund offers advice and guidance to all members, regardless of age or how long you have held membership with the RSC. We can help you address financial worries to give you peace of mind. Or perhaps you need help with confronting confidence issues, or you've been thinking about re-evaluating your career prospects. The Benevolent



assistance we encourage you to take advantage of our confidential service by contacting the Benevolent Fund Office.

■ Supporting the Fund

The Benevolent Fund has already helped so many members who have found themselves struggling through troubled times, and the RSC is proud to offer a service which provides such invaluable support to our members. However, to carry out this vital work, we rely on the generosity of our members and the public.

If you would like to support the Benevolent Fund you might like to consider becoming a Volunteer Visitor, a crucial role working with beneficiaries in your local area. Alternatively, you could make a donation to the Benevolent Fund through the membership subscription process, simply adding the donation amount to your subscription form.

Whether you are offering support or seeking support, our Benevolent Fund advisers are here to help with any enquiries you may have.

► MORE INFORMATION

For more information go to www.rsc.org/onetoone

telephone

01223

432432

or e-mail

[onetoone](mailto:onetoone@rsc.org)

[@rsc.org](mailto:onetoone@rsc.org)



WHAT OUR MEMBERS SAY...

"I am particularly grateful to the Fund for putting a Volunteer Visitor in touch with us. He has been a source of huge support in our situation..."

"I would like to thank you, the Committee and all those who give gifts to the Benevolent Fund. The financial help you have given in allowing me to obtain care on a regular basis has made such a huge difference to my life."

Fund can support you with all of this and more.

Members can turn to the Benevolent Fund for free and confidential assistance in relation to benefits, debt, housing or health issues. We can support you through access to professional resources such as referrals to external specialist agencies, or, where appropriate, to the RSC's specialist careers adviser.

The Benevolent Fund also has a network of Volunteer Visitors who provide individual support to members and their families, offering an invaluable, caring service at a local level. Our volunteers can offer a listening ear and practical support, help

members maintain an interest in chemistry, and arrange social outings and activities for older or isolated members.

■ Financial support

In some circumstances, the Benevolent Fund can also offer financial assistance to members who are struggling. This could be through regular monthly grants to help with essential living costs or medical expenses, a one-off payment for white goods or home maintenance, or maybe financial assistance with nursing home fees or respite care.

These are just some examples of how the Benevolent Fund might be able to help, so if you feel you might need some

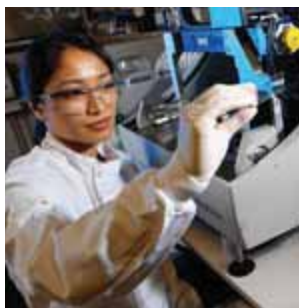
profile

A closer look at our members and their interests

60
seconds
with...

Susan Pang

Tuning training for athletic prowess



SUSAN PANG
MRSC

Susan Pang is science leader in innovation at LGC, and also a monitoring liaison officer for the Technology Strategy Board's bioscience project portfolio.

Her current research includes biomarker discovery and validation, exploring how athletes respond to intensive training programmes.

LGC (formerly the Laboratory of the Government Chemist) is the UK's National Measurement Institute for chemical and biochemical analysis.

“By looking at how an athlete's biochemical profile changes over time, we can see what effect the training is having and how it can be improved”

Q What led you to choose a career in chemistry?

A I was good at chemistry and other sciences at school and thought that if I didn't pursue these subjects at the time, it would be harder to pick them up again at a later date.

I followed a biochemistry degree as I enjoyed both chemistry and biology, and became interested in medicinal applications when it came to my PhD.

I found during my PhD that the great thing about research is the freedom to do your own work and make your own discoveries, rather than having to just follow what you are told.

Q What are you working on at the moment?

A My current research involves analysing athletes' biochemistry to see how they respond to intensive training programmes. We can do this by looking at sweat, saliva and serum samples from blood, building up a profile of biomarkers for individual athletes. By looking at how this profile changes over time, we can see what kind of effect the training is having and whether it can be improved.

We're also trying to develop new testing methods that could be incorporated into a portable detector. Current detection methods are slow and often have to be carried out away from the track. Our new methods would allow samples to be tested at the trackside, providing results within minutes. As a result, trainers would be able to adapt

training regimes to ensure maximum performance and improve injury recovery times.

Q How do you see your research affecting sports in general?

A Although our focus is on athletics, our results could of course be used to improve training regimes across many other sports, from cricket to football.

Q What roles have you had at LGC?

A I joined LGC as a researcher in protein science but have had various roles over the years. These have ranged from developing new methods to recover samples from sexual assault cases, to working on biomarker detection to analyse genetically modified food.

What's more, at LGC I have been on a lot of secondments, both internally and externally, working with SMEs (Small and Medium Enterprises) as a consultant.

Q What have you enjoyed most about your job?

A It's been great getting to play with a lot of hi-tech toys, evaluating novel technologies against existing ones. Because we're at the forefront of measurement standards and some of the projects I have worked on are funded by the government, our findings are disseminated in good practice guides and other publications to support industry. Our work can also help manufacturers themselves if we can find ways to improve their methods.

RSC AND THE OLYMPICS

With the Olympics just around the corner, the RSC is delving into the science behind sports.

Due to be launched in the spring, we have been busy developing a new electronic resource which features videos from leading athletes, tutorials explaining how chemicals affect athletic performance, and a range of exciting projects for students to carry out.

What's more, following the huge success of the IYC global experiment in 2011, we are planning a new worldwide project for everyone to get involved in. Using data from participants all over the globe, we will be exploring the effect of energy drinks on the body.

We love to hear from our members, so if your research focuses on aspects of athletic performance, please get in touch.

rscnews@rsc.org

WHAT DO YOU THINK?

The RSC's membership survey allows us to understand your priorities, perceptions and preferences and ensures we continue to meet your needs

Members responded to the question 'what is the one thing you value the most about your membership?'

Members are the lifeblood of the RSC. We support you in your careers and chemical science activities through our many initiatives, products and services, and in return you provide the vital network of experts and ambassadors who support us in advancing the chemical sciences.

To keep up with how our members rate our support and activities, the RSC conducts a member survey every two years. Over 33,000 members (plus nearly

8,000 non-members) were invited to take part in the 2011 survey and we had over 5,000 responses, which is a statistically robust and representative sample.

The results are now in, so here's what you said about the RSC...

The RSC was delighted to find that 86% of our members are happy with our services, including networking, chartered status and access to information. In addition, 88% of our members said they are proud to be a

member of the RSC and enjoy being part of a prestigious and influential professional body.

Both members, and non-members, indicated that they are not only more familiar with the RSC than they are with other organisation like the American Chemical Society, the Royal Society, and the Society of Chemical Industry, but, most importantly, they view us more favourably as well.

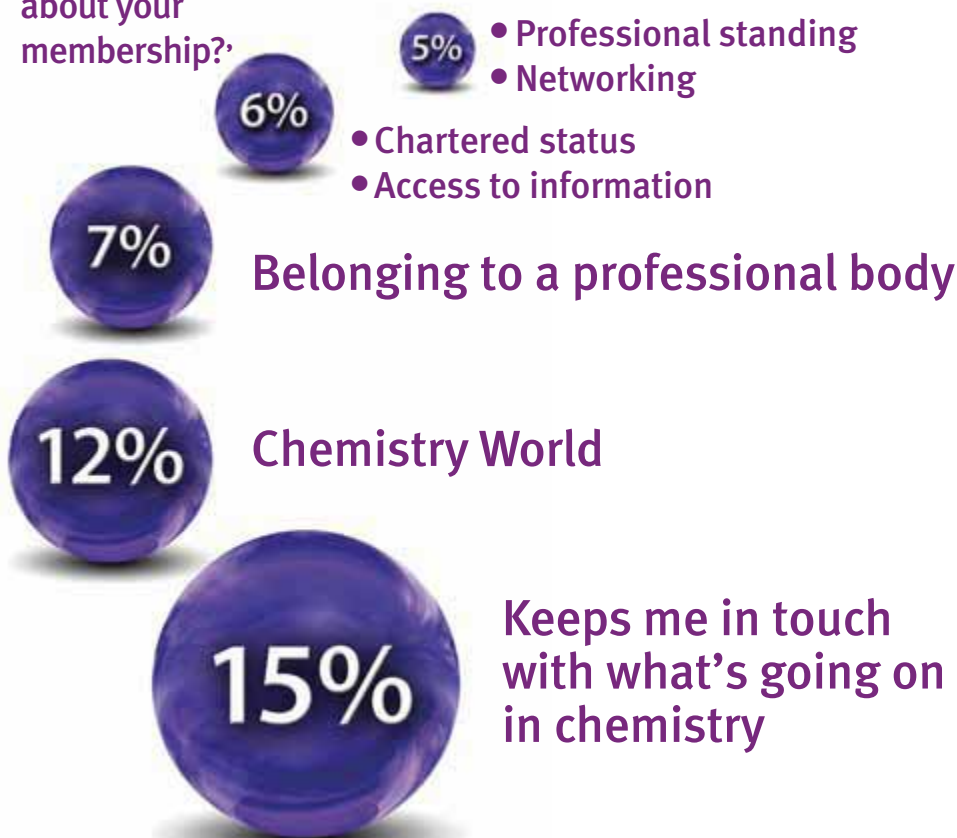
This was excellent news for us at the RSC and, from the detailed responses on specific areas, we are confident we will continue to receive strong member support for planned activities through 2012 and beyond.

Why be a member?

The results showed us that members most value their membership for maintaining their knowledge and keeping up to date with what is going on in the chemical sciences. *Chemistry World* proved to be a particular highlight, and *Chemistry World* is moving with the times with its new design for 2012, and with new 'apps' launched for smartphones and tablets (see page 2).

The other top reasons why people value being an RSC member are to belong to a professional body, for professional networking, and to gain access to member services – which include careers and professional advice, the Library Information Centre and access to journals, conferences and events, and *RSC News*.

The survey showed us that over 66% of members feel that





they get value for money from their membership. The RSC will continually try to ensure that the benefits and services that members are offered are relevant and represent value across our entire membership. www.rsc.org/Membership/Benefits

Almost two-thirds of members use online community sites, which the RSC sees as an important networking tool. We are thrilled that the RSC's professional network, MyRSC, has almost 19,000 members. MyRSC is growing as a resource for information sharing as well as hosting online meetings and events. However members raised navigation of MyRSC as an issue, and we are already actively looking to improve this.

Understanding our brand

As part of the survey, members indicated what areas of activity they most closely associate with the RSC. Given the range of activities we are involved with, we were delighted that we scored an average of seven or more out of 10, across all 11 areas of 'brand associations' (see table). The strongest associations were in:

- 'promoting the highest professional and ethical standards',
- 'having a high profile in campaigning' and
- as a 'leading international voice in the chemical sciences'.

95% of our members agree that it's important for the RSC to have an international presence. Events supporting this last year included:

- the Pan Africa Chemistry Network conference in Ghana,
- an initiative to developing scientific collaborations between the UK and India,
- and our new office opening in Japan.

Nine out of ten RSC members also consider it important for the RSC to have a regional presence. This year the RSC has launched a new regional governance structure to link activities and improve communications in the regions. More information on this is on page 12.

The RSC also already has plans in the areas which members selected as their priority for more RSC activity, which included raising standards in education and lobbying government and industry on issues affecting the chemical sciences.

Our campaigns for 2012 include our major initiative on the UK Chemistry Landscape. This looks at what UK chemistry needs to look like in the coming years, including strategies for school education, higher education, research and industry.

Pass it on!

Would you recommend the RSC to a friend? Eight out of ten of our members are so happy with the

service, they say they would.

One of the biggest concerns we hear from non-members is around eligibility. We would therefore ask you to stress when you are talking to friends and colleagues about the RSC that there are many routes into RSC membership with our different categories. Remember that not all our members have a chemistry degree. All you need to get started is to have an interest in the chemical sciences and its advancement through the activities of the RSC. It is easy for anyone to get involved and you can join at any stage of your career.

A big thank you

Finally, this sort of hard information cannot really be obtained in any other way. It's absolutely vital that we are in touch with our members and the RSC would like to thank all those who took part in the survey. Please get in touch if you would like to know more about the RSC's activities and member benefits. rscnews@rsc.org

Brand association	Mean score from members out of 10
Promoting the highest professional & ethical standards	8.4
A leading international voice in chemical sciences	8.1
Has a high profile in campaigning for the chemical sciences	8.1
Supports development of skills & learning in the chemical sciences	8.0
Helps support innovation & collaboration across the sciences	7.5
Supports development of the chemical sciences in emerging regions	7.5
Leading the way on science policy for business, academia & policy makers	7.4
Helps the public understand the value & importance of chemistry	7.4
Provides effective training & development resources	7.2
Contributes to the long term success of business & the wider economy	7.0

SOLAR SOLUTIONS

The RSC has released a new report to explain the concept of solar fuels and their potential to transform our renewable energy options



Solar Fuels and Artificial Photosynthesis is aimed at an audience of policy makers with interests in the UK's future energy strategies, and in UK and EU research and innovation policy.

Solar fuels and the UK

The report forms part of the RSC's ongoing activities to advance renewable energy technologies, through chemistry and other sciences. In January, the RSC held the first UK solar fuels symposium which attracted eminent figures from the solar fuels research community in universities, as well as from industry. Topic discussion themes

included 'new paradigms in water splitting', and 'energy storage and the chemical bond'.

Currently, the UK has many world-leading scientists who are working on solar fuels and on photovoltaics. But the report contains a warning: without a coherent strategy for investment in research and innovation, the UK will not be able to retain its position, particularly in light of international competition.

The report examines the UK's current strengths in research and innovation and looks at the potential for the UK to benefit from commercial opportunities that may arise if new solar energy industries develop.

Scientific breakthroughs

The sun delivers more energy to the earth in one hour than we currently use from fossil fuels, nuclear power and all renewable energy sources combined in a year.

Over the last ten years, the drive to develop systems to produce 'fuels' using sunlight (on a large scale) has been an area of increasingly intense global research activity and progress. And it's now attracting some commercial interest. Major scientific breakthroughs include:

- our understanding of the molecular mechanisms in natural photosynthesis and in catalysis;
- developing new materials that harvest sunlight and channel it to produce electricity and fuels;
- developments in nanotechnology.

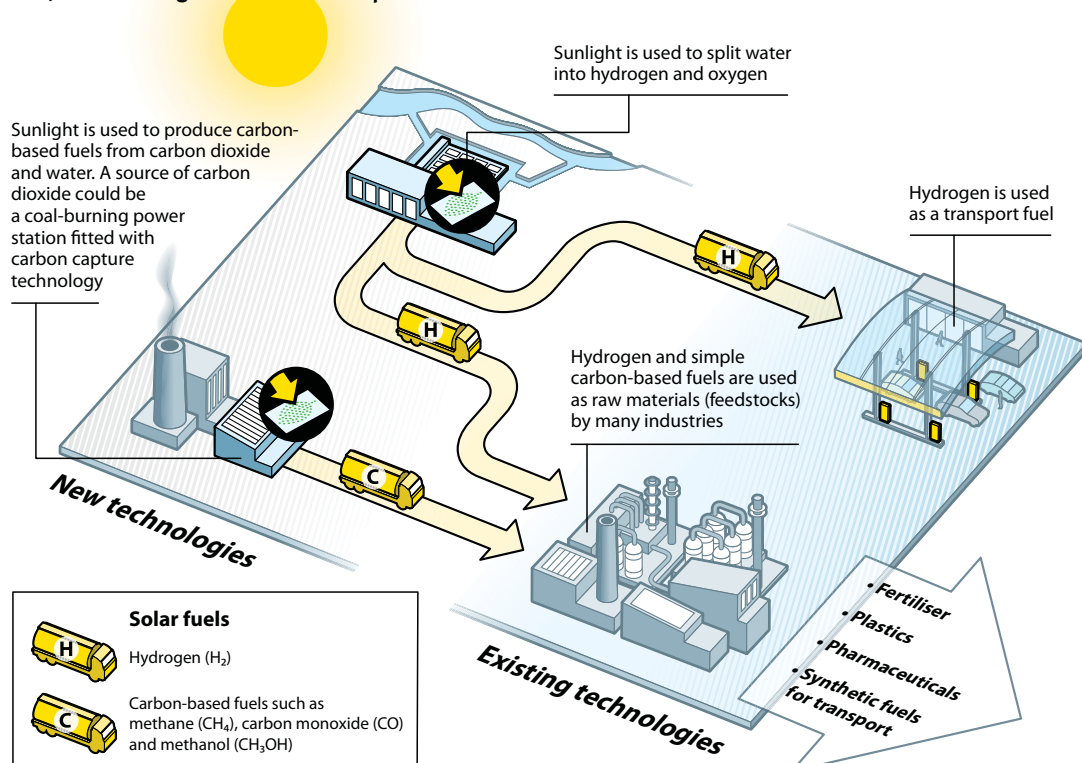
There have also been advances in other related new energy technologies such as fuel cells and carbon capture.

Deirdre Black is the RSC's Physical Sciences Programme Manager and compiled the report.

"Solar energy is our largest potential renewable energy source. This, combined with recent breakthroughs in research related to solar fuels, has led many countries, like the US, Japan, South Korea and China, to invest in coherent, interdisciplinary programmes for solar fuels research and innovation.

What could the production and use of solar fuels look like?

Most fuels for transport, electricity generation and many feedstocks for industry are produced from fossil fuels: coal, oil or natural gas. Solar fuels could provide a clean and renewable alternative.



© Royal Society of Chemistry 2012

“There are significant challenges to overcome the move from research prototypes to commercially-viable systems that use solar energy to produce fuels. But if we can do this, solar fuels will transform our future energy options.”

In May, the RSC will be bringing together scientists and policy makers from academia, industry, government and other learned societies to discuss how solar fuels could fit in the future energy landscape and what the strategy for solar energy research and innovation in the UK might look like.

Get involved

The RSC will be disseminating and communicating the report widely to a relevant policy audience. The RSC is also calling upon the research and innovation community to alert their colleagues and collaborators to the report to encourage a broad debate about solar fuels and the

opportunities for the UK.

The RSC hopes that the report and its accompanying illustrations will be useful for researchers to communicate their work in this area to a non-scientific audience.

► MORE INFORMATION

A copy of the report and the illustrations can be downloaded from the RSC website.

www.rsc.org/solar-fuels

For more information on solar fuels and the RSC, please contact Deirdre Black, Physical Sciences Programme Manager.

blackd@rsc.org

For information on the RSC's many other activities in this area, including scientific publishing, international conferences and meetings, and policy activities, see Appendix C of the report and the RSC's online portal for Sustainable Energy.

www.rsc.org/sustainable-energy

What are solar fuels?

The term ‘fuel’ used in this context refers not only to fuel for transport and electricity generation, but also starting materials (feedstocks) used in industry.

Scientists have made significant progress in producing two important types of fuels using solar energy: hydrogen and carbon-based fuels.

How are they produced?

Hydrogen, which can be used as a transport fuel and is a feedstock for industry, can be produced by splitting water using sunlight.

Carbon-based fuels such as methane or carbon monoxide are key industry feedstocks for making products like fertiliser, plastics and synthetic fuels. Carbon-based fuels can be produced using sunlight, carbon dioxide and, for example, water.

One of the processes being explored to produce solar fuels is artificial photosynthesis. It's a term which has emerged to describe a broad range of systems which mimic photosynthesis, nature's way of making fuels, where sunlight is used to convert water and carbon dioxide into oxygen and sugars and other materials (fuels).

opinion

Letters and comments on RSC activities and issues



It was great to see the results of the recent RSC survey come through (see page 8). Not only because members' responses show us that the RSC's activities are by and large what

members want and expect the RSC to be doing. The results also help provide us, as staff, with some real feedback and focus on how we can make improvements.

Working in communications, I find this to be especially important. We asked members questions relating to their awareness around a range of our services and activities. Where members aren't aware of things relevant to them, it's up to us to ensure that we can find new and improved ways to tell you about them.

So can I ask you to continue with the feedback. Whether it's the type of articles we publish, the design of *RSC News*, or the information you receive in emails, please keep on telling us what you think. We may not be able to act on everything, but we will take all feedback seriously and it helps us build up a clearer picture on how we can make improvements to benefit everyone.

Sheena Elliott

Sheena Elliott
RSCNews@rsc.org

Strengthening connections in the regions

The RSC aims to improve links across all of our networks

This year we are launching a new regional structure for the RSC and our member activities.

But why change? The evidence and feedback suggest our networks are doing very well as things stand.

Our interest groups have growing numbers of members and they are organising hugely varied events, including at the interface of chemistry and other disciplines by linking to other societies.

The volunteers for the Benevolent Fund continue to carry out invaluable visits to members needing personal support.

Our younger member network was launched about ten years ago, and now many areas of the country are enjoying an active network of early-career chemists.

We recently brought in regional

coordinators for education, who are supporting schools on a local level with information on resources, and they are joining the dots between industry outreach, university teaching and other education activities.

Representatives in industry and universities help us communicate with the members where they work.

And, of course, our local section activities have continued to flourish; many are engaging with schools, retired members, the public, and arranging visits with local industry.

What is apparent is the diversity, as well as the parallels, which cut across all these network activities. This presents us with a great opportunity to help all our

RSC REGIONAL STRUCTURE

9 UK Regional Steering Groups and
International Steering Group



Regional and International Steering Group Chairs
Member Networks Committee



Membership and Qualifications Board



Say yes to Dr No?

Editor: *Mr White writes below in response to an RSC press release on 12 January. The release used the 50th anniversary of the James Bond film Dr No to question the role of the film industry in public perceptions of science, and particularly the negative image of nuclear energy.*

www.rsc.org/AboutUs/News/PressReleases/2012/james-bond-dr-no-nuclear-power.asp

I do not share the RSC President's enthusiasm for nuclear energy. I am not influenced by *Dr No*, but by the unassailable fact that humans have been unable to control or predict the dangers involved in producing nuclear energy. This has happened recently, and of course in the recent past. I only need to mention Windscale, 3 Mile Island and Chernobyl, let alone Fukushima.

I would hope that these views are the personal ones of the president.

I am on surer ground with James Bond, and I do consider *Dr No* as one of his best films.

However, even Sean Connery is not Superman, and I think unlikely to be able to hold back the tide, let alone a tsunami.

**Ian White CChem MRSC
Riberac, France**

volunteers share information, ideas and best-practice in their region.

So in the new structure, each of the nine UK regions will have a steering group made up of representatives from:

- each of the local sections in the region;
- the RSC educational coordinator;
- the Benevolent Fund regional coordinator;
- a representative for all interest groups;
- an industrial representative;
- an academic representative;
- a younger members representative; and
- representatives from the regional section of the Analytical and Education Divisions where relevant.

The nine chairs of these regional steering groups will be joined by the chair of a 10th steering group,



Helen Pain is RSC Director of Membership. For more information about our regional activities, contact the networks team. networks@rsc.org

which will represent international members. These 10 chairs will make up a newly established member networks committee which will improve links across all regions.

We also realised there were opportunities to develop the communication and reporting lines from our networks through to our governance, and the new member networks committee will report to the Membership and Qualifications Board.

I emphasise that regionalisation is not about removing autonomy or budget control, but it's about improving cross-communication.

I'm really looking forward to seeing how we can maximise the synergies of all our initiatives in the regions and find new ways to support the chemical sciences at all levels in your area.

RSC News welcomes letters, which should be concise (normally less than 300 words) and timely. Those selected for publication are subject to editing for clarity and length. Letters should be marked 'for publication'; letters are not routinely acknowledged. rscnews@rsc.org

diary

YOUR GUIDE TO
ALL IMPORTANT EVENTS

Announcing

Younger Members Symposium

13 June 2012

University of Nottingham

Registration and abstract
submission – now open

Sessions will be on the three
broad themes:

- Industry
- Academia
- Education and public
engagement

www.rsc.org/YMS2012

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Major conferences

ICPOC 21: 21st IUPAC International Conference on Physical Organic Chemistry

9 – 13 September 2012, Durham University, UK



Call for oral abstracts - deadline 23 March 2012

Physical organic chemistry now encompasses a wider range of contexts than the study of mechanism, reactivity, structure and equilibrium in organic systems. This symposium will be an opportunity to discuss and celebrate the current status, the development and the future of physical organic chemistry.

Key topics that will be covered in the meeting include:

- Physical underpinnings
- Mechanism and Catalysis
- Supramolecular and Systems Chemistry

The ICPOC meetings traditionally provide an international showcase for academics, post doctoral researchers and students in universities, as well as those involved in PR&D and discovery chemistry in industry. This brings together a broad range of scientists from across the whole community who share a quantitative perspective on chemistry.

www.rsc.org/ICPOC21

Directing Biosynthesis III

19 - 21 September 2012

University of Nottingham, UK

Call for oral abstracts - deadline 27 April 2012

Natural products continue to underpin the developments of new medicines and agrochemicals. Their biosynthesis and role in the environment are increasingly well understood at ecological, chemical, biochemical, and genetic levels and their discovery and exploitation remain key objectives of academics and companies alike.

This conference will feature contributions from the most active groups in the UK, Europe, the USA and Japan working in this rapidly developing area, with key themes covering:

- Polyketides
- Non-ribosomal and ribosomal peptides
- Terpenes and alkaloids
- Synthetic biology approaches to engineering - new examples

As the subject area continues to mature, significant opportunities exist for engineering biosynthetic pathways in bacteria, fungi and plants for the directed biosynthesis of new natural products with new and beneficial properties.

www.rsc.org/DBIII

DATES AND DEADLINES

Tribology: Faraday Discussion 156

2 – 4 April 2012

University of Southampton,
UK

Call for poster abstracts -
deadline 3 February 2012

Bursary applications -
deadline 3 February 2012

Early bird registrations -
deadline 3 February 2012

www.rsc.org/FD156

Analytical Research Forum 2012

2 - 4 July 2012

Durham University, UK

Call for oral abstracts -
deadline 3 February 2012

www.rsc.org/ARF12

Challenges in Inorganic and Materials Chemistry (ISACS8)

19 - 22 July 2012

Toronto, Canada

Call for oral abstracts –
deadline 24 February 2012

www.rsc.org/isacs8

MORE INFORMATION

To find out more about any
event on this page, see
www.rsc.org/events

Call +44 (0) 1223 43
2254/2380

Or email events@rsc.org

Cocktail Chemistry and Molecular Mixology

See listings below



Events

FURTHER INFORMATION

The RSC News Diary this month lists RSC events from February to March 2012 that are held on the RSC conference database. Further details on any of these meetings can be obtained from the named contact or from the conference website at

www.rsc.org/ConferencesAndEvents/conference

Type in the specific ID number for each event in the search box.

You can also browse events by type, organiser or region.

SCOTLAND

Mid-Scotland Section

Cocktail Chemistry and Molecular Mixology

24 February at 19:30
ID=109202

Union Canal Society Tearoom, Linlithgow
Shaken, not stirred. The world of cocktails, with its aura of sophistication, mystique and incomprehensible names, brought out into the open for all to discover

Contact George Peden
t 01324 662170
e george.peden@syngenta.com

Marie Curie and the Early Use of Radionuclides in Medicine

22 March at 14:00
ID=109199

Forth Valley College, Falkirk Campus
Alan Dronsfield
A historical look at the early development of treatment involving the new magical world of radioactivity and X-rays

Contact Mark Dennis
t 01324 494554
e mark_1dennis@hotmail.com

Marie Curie and the Early Use of Radionuclides in Medicine

22 March at 19:00
ID=109200

Ineos Exhibition Centre, Grangemouth
Alan Dronsfield
A historical look at the early development of treatment involving the new magical world of radioactivity and X-rays.
Contact Mark Dennis
t 01324 494554
e mark_1dennis@hotmail.com

Glasgow & West of Scotland

AGM and the Andy Parkin Memorial Lecture

16 February at 16:00
ID=110128

Joseph Black Building, University of Glasgow
Contact Justin Hargreaves
t 0141 330 5947
e Justin.Hargreaves@glasgow.ac.uk

Tayside Section

RSC Physical Organic Chemistry Award Lecture

29 February at 15:30
ID=109557

University of St Andrews
• Prof Chris Hunter, University of Sheffield
The Anatomy of Complex Recognition Interfaces
Contact Alan Aitken
e raa@st-and.ac.uk

Open Association – Tayside RSC Joint Lecture

30 March at 20:00
ID=109892

University of St Andrews
• Tom Nelson, Police Forensic Laboratory, Glasgow
In association with University of St Andrews
Open Association
Contact Alan Aitken
e raa@st-and.ac.uk

Other Events

Environment, Sustainability and Energy Division Awards Symposium

8 February at 13:15
ID=109856

University of Edinburgh
A symposium for the winners of 2011 Environment, Sustainability and Energy Division Prizes and Awards.

t 0131 6504764
e m.heal@ed.ac.uk

WALES

South East Wales Section

From Chemistry to Biology via Biomolecular Simulation: Where Are We and Where Are We Going?

6 February at 16:00
ID=109901

Cardiff University
• Prof Charles Laughton, University of Nottingham
Contact James Redman
t 0292 0876273
e redmanje@cardiff.ac.uk

Leveraging Chemoselective Ligation in Chemical Biology and Drug Discovery

13 February at 16:00
ID=109994

Cardiff University
• Dr Ed Tate, Imperial College
Contact James Redman
t 0292 0876273
e redmanje@cardiff.ac.uk

Electrochemistry at the Nanoscale

20 February at 16:00
ID=109970

Cardiff University
• Prof Richard Compton, University of Oxford
Contact James Redman
t 0292 0876273
e redmanje@cardiff.ac.uk

Analysing the Composition of our Surroundings

23 February at 13:00
ID=109774

Neath Port Talbot College, Neath
• Prof Jim Miller, Loughborough University

Contact Bill George
t 01792 406994
e wogeorge@glam.ac.uk

Supramolecular Chemistry and the Development of Pharmaceutical Materials

27 February at 16:00
ID=109974

Cardiff University
• Prof Bill Jones, University of Cambridge
Contact James Redman
t 0292 0876273
e redmanje@cardiff.ac.uk

Tagging Proteins and Tackling TB

5 March at 16:00
ID=109968

Cardiff University
• Prof Neil Thomas, University of Nottingham
Contact James Redman
t 0292 0876273
e redmanje@cardiff.ac.uk

Fragment-Based Approaches in Drug Discovery and Chemical Biology

12 March at 16:00
ID=109904

Cardiff University
• Prof Chris Abell, University of Cambridge
Contact James Redman
t 0292 0876273
e redmanje@cardiff.ac.uk

South West Wales Section

Life in the Universe – An Introduction to Astrobiology

29 February at 19:30
ID=109775

Science Cafe, Swansea
• Prof Mike Edmunds,

Cardiff University
Contact Bill George
t 01792 406994
e wogeorge@glam.ac.uk

The Application of Click Chemistry in the Search for New Drugs

15 March at 12:30
ID=109776

Institute of Life Sciences, Swansea University
• Prof John Moses, University of Nottingham
Contact Bill Griffiths
t 01792 295274
e w.j.griffiths@swansea.ac.uk

Other Events

CPD For Chemistry Teachers - Swansea

6 February at 16:30
ID=109834

Gower College, Swansea
Thanks to funding from the Wales Institute of Mathematical and Computational Sciences (WIMCS), the RSC is offering a series of continuing professional development (CPD) opportunities in South Wales. Aimed mainly at teachers of students aged 14-19, the aim of this free CPD workshop is to explore effective strategies for teaching redox chemistry from KS3 to post-16.

Contact Dayna Mason
t 0292 0870739
e masondn@Cardiff.ac.uk

CPD For Chemistry Teachers - Cardiff

8 February at 16:30
ID=109837

Howell's School, Cardiff
See listing above
Contact Dayna Mason
t 0292 0870739
e masondn@Cardiff.ac.uk

CPD For Chemistry Teachers - Pontypridd

9 February at 16:30
ID=109838

Ysgol Gyfun Garth Olwg, Pontypridd
See listing above

CPD For Chemistry Teachers - Cardiff

21 March at 16:30
ID=109836

Howell's School, Cardiff
See listing above

CPD For Chemistry Teachers - Swansea

26 March at 16:30
ID=109835

Gower College, Swansea
See listing above

CPD For Chemistry Teachers - Pontypridd

28 March at 16:30
ID=109839

Ysgol Gyfun Garth Olwg, Pontypridd
See listing above

MIDLANDS

Birmingham and West Midlands Section

Education Division - Midlands

Chemistry Quiz Finals: Year 10 and 11 students

13 March at 18:15
ID=109685

University of Birmingham
The Quarter, Semi and Final Rounds of the Quiz
In association with West Midlands Chemistry Teachers' Centre
Contact John Crossley
e j.crossley987@btinternet.com

Education Division - Midlands

Chemical Engineering of Chocolate Creme Eggs: A Lecture for Sixth Form Students

20 March at 19:00
ID=109686

University of Birmingham
• Prof Peter Fryer, University of Birmingham
In association with West Midlands Chemistry Teachers' Centre

Contact N Briggs

t 01827 311205
e briggswmctc@btinternet.com

East Midlands Section

Annual General Meeting

8 March at 18:15
ID=109998

3M Health Care Ltd, Loughborough
Chris Blatchford, 3M Health Care will be guest speaker talking on 'The Pharmaceutical Industry from the perspective of an Analytical Chemist'
Annual General Meeting hosted by 3M Health Care
Contact Angela Webb
t 01509 613750
e awebb1@mmm.com

Other Events

Education Division Nyholm Symposium

8 February at 13:30
ID=109683

University of Nottingham
The Nyholm Prize for Education 2011 Winner is Prof Martyn Poliakoff, University of Nottingham. Receiving the award for his enthusiastic leadership in taking chemistry to the widest possible audience, Prof Poliakoff will also provide a keynote lecture at the Nyholm symposium, which is free to attend.
Contact HE STEM team, RSC

t 01223 432381
hestem@rsc.org

Materials Chemistry Division

Awards Symposium

14 February at 14:00
ID=109884

University of Birmingham
The awards symposium will feature lectures by winners from our 2011 Prizes and Awards. This symposium is for anyone with an interest in the interdisciplinary field of materials chemistry.

In association with University of Birmingham
Contact Joseph Hriljac
e j.a.hriljac@bham.ac.uk

Water Science Forum Protecting Water Catchments from Diffuse Pollution – The Emerging Evidence

21 February at 09:00
ID=109785

Kingston Theatre, Birmingham
This one-day conference provides an opportunity to hear from leading organisations in the UK who are promoting catchment management as a means of protecting sources of drinking water. It will look at low cost practices, which deal with pollution at source and will sit well with the aim of a sustainable water section.

Contact Claire Stacey
t 0117 9711418
e claire.stacey1945@gmail.com

Chemistry for Non-Specialists KS4

7-8 March 2012
ID=109815

Wrenn School, Wellingborough
This four-day course is aimed at raising confidence and expertise of non-specialist teachers teaching chemistry in UK secondary schools.
In association with Science Learning Centre East Midlands
Contact Science Learning Centre East Midlands
t 0116 2523771
e slcem@le.ac.uk

NMR Discussion Group NMR Trends in Bio-inorganic and Inorganic Chemistry

21 March at 10:00
ID=109585

University of Warwick
A one-day symposium on the theme of recent developments in NMR spectroscopy applied to bio-inorganic and

inorganic chemistry
Contact John Parkinson
t 0141 5482820
e john.parkinson@strath.ac.uk

EASTERN

Essex Section

RSC Endowed Lecture: Mass Spectroscopy at the Interface of Chemistry and Biology

8 March at 13:00
ID=109853

University of Essex, Colchester
• Prof Carol Robinson, University of Oxford
Contact Jody Mason
e jmason@essex.ac.uk

Essex School Lecture – Fun with Chemistry

27 March at 14:00
ID=109855

University of Essex, Colchester
A presentation of exciting chemistry demonstrations for 12 - 14 year olds, with audience participation and prizes
Contact Alan Osborne
t 0208 5902021

Mid-Anglia Section

Molecular Model Solutions

9 February at 19:00
ID=109550

University of Cambridge
• Jonathan Goodman, University of Cambridge
For more than a hundred years, molecular models representing atoms as spheres and connecting them with bonds have given insights into molecular structure and molecular reactivity. Why do these simple models work so well? Are they still useful? The possibilities, the power, the limitations, and the dangers of molecular models are all important today.

In association with the Society of Chemical Industry (SCI) Cambridge & Great Eastern Section and University of Cambridge ChemSoc
Contact John O'Toole
 t 01223 894174
 e john.otoole9@btopenworld.com

Colloid and Interface Science Group

Rideal Lecture - Oilfield Fluids: Tales of Mud and Worms

28 March at 09:30
 ID=109565
 Gonville and Caius College, Cambridge
 The Rideal Lecture is an annual award given by SCI's Colloid and Surface Chemistry Group and the RSC's Colloid and Interface Science Group
Contact Patricia Cornell
 t 0207 5981566
 e conferences@soci.org

NORTH EAST

Huddersfield Section

Visit to Huddersfield Observatory

28 February at 18:30
 ID=109744
 Huddersfield Observatory
 • Robert Williams MRSC, Chairman of the Astronomical Society
 In association with Huddersfield Astronomical and Philosophical Society
Contact Steve Turner
 t 01484 422383
 e steve@turners7.freerise.co.uk

Use of Nanotechnology in Environmental Control

29 February at 15:15
 ID=109745
 University of Huddersfield
 • Prof Jeremy Ramsden, Cranfield University
Contact Steve Turner

t 01484 422383
 e steve@turners7.freerise.co.uk

Retired Members' Lunch

7 March at 12:30
 ID=109746
 Bradleys Restaurant, Huddersfield
Contact Steve Turner
 t 01484 422383
 e steve@turners7.freerise.co.uk

Hull and East Yorkshire Section

Centenary Prize 2011 Lecture

20 February at 16:15
 ID=109733
 University of Hull
 • Prof G Marius Clore
 Exploring sparsely-populated states of proteins and

their complexes by paramagnetic and diamagnetic NMR.
Contact Nicole Pamme
 t 01482 465027
 e n.pamme@hull.ac.uk

Beverley Science Cafe: Something in the Air: Pollen Dispersal, GM Crops and Human Health

29 February at 19:30
 ID=109792
 The King's Head, Beverley
 Jane Bunting
Contact Mark Lorch
 e m.lorch@hull.ac.uk

Beverley Science Cafe: Climate of the Past: Is the Past the Key to Understanding the Future?

28 March at 19:30
 ID=109790

The King's Head, Beverley
 • Mike Rodgerson
Contact Mark Lorch
 e m.lorch@hull.ac.uk

Newcastle upon Tyne and North East Section

Catalytic and Self-Assembly Routes to Soft Materials Based on Main Group Elements or Metals

22 February at 16:45
 ID=110002
 Newcastle University
 • Prof Ian Manners, University of Bristol
Contact Ian Edwards
 t 0191 4881969
 e ian.Edwards@ncl.ac.uk

Synthetic Organic Chemistry Award - New Catalytic Reactions Designed for the Efficient Synthesis of Natural Products

28 February at 16:45
 ID=110003
 Newcastle University
 • Prof Ian Manners, University of Bristol
Contact Ian Edwards
 t 0191 4881969
 e ian.Edwards@ncl.ac.uk

Homogeneous Catalysis Award - Catalytic Approaches to the Synthesis of Amines and Amides

13 March at 16:45
 ID=110004
 Newcastle University
 • Prof Jonathan Williams, University of Bath
Contact Ian Edwards
 t 0191 4881969
 e ian.Edwards@ncl.ac.uk

Sheffield and District Section

Family Evening

15 February at 18:00
 ID=109388
 University of Sheffield
 • Dr Annie Hodgson, University of York
 'Colourful Chemistry' by Dr Hodgson, How have chemists brought colour

to our lives? Why do chemists use colour to help them understand the world around them? What makes fireworks look so pretty?

The answers to these and other burning questions will be answered in this exciting lecture. Prepare to be amazed as colours change before your eyes, but don't be surprised by the odd flash or bang along the way.
Contact Jackie Morton
 e jackie.morton@hsl.gov.uk

6th Annual Pub Quiz

29 March at 19:30
 ID=109389
 Venue to be confirmed
Contact Jackie Morton
 e jackie.morton@hsl.gov.uk

Teesside Section

Student Chemical Society Supramolecular Self Assembly

21 February at 17:00
 ID=109453
 Durham University
 • Prof Ian Manners, University of Bristol
 Prof Manners will give a lecture for Durham University Chemical Society (DUCS).
 In association with DUCS
Contact Alex Dudgeon
 e chemical.society@durham.ac.uk

Teesside Section AGM

2 March at 18:30
 ID=110125
 Parkmore Hotel, Stockon-on-Tees
 The AGM will be followed by a talk by Prof. Ken Wade and refreshments will be provided.
Contact Dr Jeff Franks
 t 01642 435784
 e jeff.franks@intertek.com

HIGHLIGHT

Chemistry Innovation Knowledge Transfer Network



The CIKTN is supporting the Technology Strategy Board's funding call for 'Sustainable Manufacturing for the Process Industry'.

The competition for feasibility and collaborative R&D funding opens 27 February 2012.

The deadline for applications for feasibility funding is at noon on 25 April 2012. Important dates to note are:

- 27 February 2012 (w/c): Partnering event (London)
- 8 March 2012: TSB call briefing day (Manchester).

Contact Janet Sanger
 Janet.Sanger@ciktn.co.uk (01928 513513)
 for free advice on all aspects of the call.

For general enquires about the application process please contact the Technology Strategy Board directly: competitions@innovateuk.org or call 0300 3214357.

www.chemistryinnovation.co.uk

Other Events

Chemistry for Non-Specialists KS3/KS4

27-28 February
ID=109693
Science Learning Centre
North East, County
Durham

This four-day course is aimed at raising confidence and expertise of non-specialist teachers teaching chemistry in UK secondary schools.

In association with Science Learning Centre North East
Contact Science Learning Centre North East
t 0191 3706200
e slc.northeast@durham.ac.uk

**Industry and Technology Division
Speciality Chemicals Sector**

Continuous Flow Technology in Industry
19-21 March
ID=108457

York University
The production of speciality chemicals is still heavily reliant on batch processes, particularly in the pharmaceutical sector, and this symposium will highlight recent developments focused on the growth of continuous processes in the fine chemicals and pharma industries.
Contact Ruth Lane
t 01928 788071
e ruth@cowlane.co.uk

NORTH WEST

Cumbria Section

Younger Member Network

Wine Tasting
24 February at 19:00
ID=108881
The Chase Hotel,
Whitehaven
• Gerard Richardson

will once again host the popular wine tasting night. Not to be missed. Book early to secure a place!

Contact Mark Gibson
t 0791 7652278
e mag7@sellafieldsites.com

Lancaster and District Section

Atmospheric Chemistry: Myths and Facts

21 February at 19:30
ID=109525

University of Central Lancashire
• Prof R P Tuckett,
Birmingham University
Contact Harry Clarke
t 01995 640003
e hclarke906@btinternet.com

Annual General Meeting followed by a Wine Tasting

20 March at 19:00
ID=110017

Preston College
Annual General Meeting to be conducted by our Chair Angela Holden.
Wine Tasting Host is our Honorary Treasurer Prof John Hepworth.
Contact Harry Clarke
t 01995 640003
e hclarke906@btinternet.com

Liverpool Section

Younger Member Network

United Utilities Site Tour
7 March at 13:00
ID=109999

United Utilities Waste Water Treatment Plant, Ellesmere Port
A chance to see how chemistry is used in the water industry and the careers available for chemists at the waste water treatment plant. Free transport from Liverpool Universities
Contact Claire Rees
t 0151 4959852
e crees@

rockwoodadditives.com Younger Member Network

Wine Tasting Evening

23 March at 19:00
ID=110018

Scatchards Wine Merchants, Liverpool
An informal evening of wine tasting with the knowledgeable and enthusiastic host Jon Atkinson. Perfect opportunity to network with other Chemists
Contact Claire Rees
e crees@rockwoodadditives.com

Retired Members' Luncheon

29 March at 12:00
ID=109820

Colours Restaurant, St Helens
A 3-course meal followed by a talk on the History of Pilkington Brothers given by David Martlow.
Contact Bob Lee
t 0151 3347875
e drboble@msn.com

Manchester and District Section

Annual General Meeting

12 March at 18:00
ID=109739

Manchester Metropolitan University, Room E249
Contact Dr J Walker
e swalkerj@deanery.wigan.sch.uk

Other Events

Biological and Medicinal Chemistry Sector

2nd RSC Symposium on Chemical Biology for Drug Discovery

20-21 March
ID=109360

AstraZeneca, Macclesfield
This symposium covers progress in the interdisciplinary field of Chemical Biology in enhancing our understanding of the molecular mechanisms of human biology in health and disease. This meeting is aimed at chemists and biologists from across the academic

and industrial sectors interested in harnessing chemical science to answer fundamental questions in biology.
Contact Maggi Churchouse
t 01359 221004
e maggi@maggichurchousevents.co.uk

SOUTH EAST

Chilterns and Middlesex Section

Retired Members' Visit to the Museum of London

2 February at 11:00
ID=109734

The Museum of London Visit to the Museum of London with lunch party at the London Wall Bar & Kitchen
Contact Stephen Robinson
t 0208 5467940
e stephenrobinson_3@hotmail.com

Downland Section

Brighton Science Festival February

ID=109342

Many science themed events in a range of venues around Brighton. This event has something for all age ranges.
Contact Julia Percival
e Julia.Percival@surrey.ac.uk

Nanotechnology - Transforming Medicine in the Next Decade?

22 March at 18:30
ID=109672

Charterhouse School, Godalming
• Prof Tony Cass, Imperial College London
Dramatic changes in demographics over the next two decades will change the way we need to approach the provision of healthcare. In this lecture Prof Cass will explain what it is about nanotechnology

▶ HIGHLIGHT

Emerging Analytical Professionals

EAP 2012 – Going for Gold: Overcoming hurdles in Analytical Science

The Cottons Hotel and Spa, Knutsford, Manchester, 25th - 27th May 2012

This conference, organised by the Analytical Science Network, provides CPD for early-career analytical scientists, and networking opportunities with other analysts. Abstracts are invited from all disciplines of analytical science. Deadlines are: 24 February (oral presentations); and 31 March (posters and poster pitch).

www.mmsconferencing.com/eap2012.php

that gives it such promise and illustrate how current research in nanomaterials and devices could be translated for the benefit of patients. In association with SCI Thames and Kennet
Contact Oliver Choroba
e owc@charterhouse.org.uk

Kent Section

Annual General Meeting
23 March at 19:00
ID=109669
 Canterbury Christ Church University
 Annual General Meeting to be followed by a lecture 'The Revival of English wine' By Dr John Danilewicz
 Following a successful career in drug research, Dr Danilewicz turned his hand to the production of fine English wines. In his talk, he will chart the growth of viticulture in England and outline his thoughts on the current state of the English wine industry and discuss his current research on the chemistry of wine oxidation and the function of sulphite.
Contact Dave Alker
t 01843 845783
e dave.alker@btinternet.com

Other Events

Chemistry for Non-Specialists KS4
1-2 February
ID=109692
 Kent Science Resource Centre, Sittingbourne
 This four-day course is aimed at raising confidence and expertise of non-specialist teachers teaching chemistry in UK secondary schools. In association with Science Learning Centre South East
Contact Science Learning

Centre South East
t 023 8059 8810
e enquiries@southeast.slcs.ac.uk

Global Transport 2050: Scenarios and Implications
2 February at 18:30
ID=109712
 The Chemistry Centre, RSC London
 • Prof Karl Rose, World Energy Council
 The lecture will discuss the implications for fuel demand, technology mix and emissions in both Organisation for Economic Co-operation and Development (OECD) and non-OECD countries and will highlight the impact that clear coherent policies can have on the future of the transport sector.
Contact Pauline Meakins,
t 01223 432266
e chemistrycentre@rsc.org

The Cognitive Lunchbox
14 February at 12:30
ID=110014
 The Chemistry Centre, RSC London
 • Dr Jeremy Spencer, University of Reading
 On this special Valentine's Day lunchbox, Dr Spencer will examine the role of flavonoid-rich food, such as blueberries, cocoa and red wine, which have been shown to promote a healthy heart and enhance our attention span.
Contact Pauline Meakins, RSC
t 01223 432266
e meakinsp@rsc.org

Analytical Division Analytical Biosciences Group
ChemComm/RSC Prize and Award Symposium
22 February at 13:00
ID=109889
 Imperial College London
 Joint ChemComm/

RSC Prize and Awards Symposium will be held at Imperial College London in association with the Analytical Division. Featuring lectures by winners of our 2011 Prizes and Awards, as well as *ChemComm* sponsored speakers, this symposium is for anyone with an interest in Analytical Chemistry.
Contact Tony Cass
e t.cass@imperial.ac.uk

RSC Public Lecture: Genetic Fingerprinting: Past, Present and Future
1 March at 18:30
ID=109713
 The Chemistry Centre, RSC London
 • Prof Sir Alec Jeffreys, University of Leicester
 Discovered in 1984, DNA fingerprinting has become an indelible part of society, helping to prove innocence or guilt in criminal cases, resolving immigration arguments and clarifying paternity. The inventor of the DNA fingerprinting technique, Prof Sir Jeffreys will discuss the origins of the technique through to the latest developments and their social impact.
Contact Pauline Meakins,
t 01223 432266
e chemistrycentre@rsc.org

SET for Britain 2012
12 March at 12:30
ID=109539
 House of Commons, London
 Andrew Miller MP, Chairman of the Parliamentary and Scientific Committee, will sponsor an exhibition and reception during National Science and Engineering Week. The Parliamentary and Scientific Committee has joined together with the RSC and other societies to host SET for BRITAIN because

they all believe that early-stage researchers deserve particular encouragement to continue developing their work.
Contact Anne Horan, RSC
e horana@rsc.org

Environment, Sustainability and Energy Division Environmental Chemistry Group
Energy, Waste and Resources – Three Sides of the Same Coin?
14 March at 12:00
ID=110009
 The Chemistry Centre, RSC London
Contact William Bloss
t 0121 414 2558
e w.j.bloss@bham.ac.uk

Management Group, Marketing Group
Marketing LGC, From Public to Private
19 March at 18:00
ID=109704
 The Chemistry Centre, RSC London
 Speaker from LGC - to be announced
Contact Mike Maunder
e maunder@speedibrews.free-online.co.uk

Biochemical Society Carbohydrate Analysis and Glycomics: Where Next?
21 March at 09:00
ID=109555
 This workshop is the fourth of a series entitled 'Analytical Tools for the Life Sciences', a collaborative project between the Royal Society of Chemistry and Biochemical Society. The workshop aims to bring together life sciences researchers that work at the interface between biology and chemistry to discuss problems and facilitate collaborations.
Contact James Hutchinson
e hutchinsonj@rsc.org

Macro UK Group Institute of Physics, Dielectrics Group Electrosinning, Principles, Practice and Possibilities 2012
21-22 March
ID=109297
 Institute of Physics, London
 This two-day meeting will reflect the multidisciplinary nature of the science involved with and supported by electrosinning. There will be a mix of keynote lectures and contributed papers. The meeting will be of interest to scientists from the life and physical sciences, engineering and application technologists.
Contact Geoffrey Mitchell
t +35 1244 569441
e geoffrey.mitchell@ipleiria.pt

Joint Pharmaceutical Analysis Group Advances in Pharmaceutical Analysis
22 March at 10:00
ID=109924
 The Chemistry Centre, RSC London
 An update on developments in analytical techniques and practice to address current scientific and regulatory challenges in pharmaceutical development and quality control
Contact Amy Le Vannais
t 0207 5722326
e events@rpharms.com or Phillip.mcshane@rpharms.com

Historical Group Where there's Muck There's Brass!! Reclamation of Chemical Sites
23 March at 10:30
ID=109886
 The Chemistry Centre, RSC London
 The landscape of Britain has been transformed over many millennia but in more recent times



Forensic Entomology

See listings below

industrialisation has had a major impact, with chemical industry and industries using chemical processes at the forefront. The waste products are varied in their potential danger and quantity, but remediation of these sites has become very important in the last 30 years or so. This meeting will review a number of different sites and will be opened by a talk from speakers attached to the Olympic Delivery Authority.
Contact Bill Griffith
e w.griffith@ic.ac.uk

Education Division Getting Started in Pedagogical Research in Higher Education Workshop

28 March at 10:00
 ID=109514
 The Chemistry Centre, RSC London
 Contact Rio Hutchings, RSC
e hutchingsr@rsc.org

SOUTH WEST

Bristol and District Section

32nd Annual General Meeting
 9 February at 18:00
 ID=109415
 BAWA Healthcare and Leisure, Bristol
 Contact Hilary Kitchen
t 0117 9392563
e papahil@blueyonder.co.uk

Environmental Legacy of Silver-Lead Mining

9 February at 19:00
 ID=109414
 BAWA Healthcare and Leisure, Bristol
 • Dr Sally Griffin, Bath Spa University
 A lecture on mining at the Priddy Mineries Reserve
 Contact Hilary Kitchen
t 0117 9392563
e papahil@blueyonder.co.uk

Forensic Entomology

23 February at 17:00
 ID=109411
 University of the West of England
 Dr Martin Hall, Natural History Museum
 In association with SCI
 Contact Andy Tubb
t 0117 3282487
e andy.tubb@uwe.ac.uk

A Small Space Odyssey with Luminescent Chemicals

14 March at 16:00
 ID=109416
 University of Bath
 • Prof A P de Silva, University of Belfast
 Contact Gan Shermer
t 01225 385410
e g.shermer@bath.ac.uk

Peatlands and Palaeoclimates

29 March at 19:00
 ID=109417
 University of Gloucestershire
 • Prof Frank Chambers, University of Gloucestershire
 Putting Global Warming

in Perspective
 In association with: SCI, BSciA and University of Gloucestershire
 Contact Rebecca Lake
t 01242 714506
e rlake@glos.ac.uk

Mid-Southern Counties Section

Retired Members' Lunch

8 March at 12:30
 ID=108976
 The Three Lions, Stuckton
 Ticket prices: RSC Members and their guest £25, Non Members £35.
 A luncheon for retired section members to meet new members and keep in touch with colleagues
 Contact Maurice Russell
e maurice.russell@which.net

RSC Hickinbottom Award Lecture

19 March at 12:00
 ID=109829
 University of Southampton
 Contact Syma Khalid
t 023 80594176
e S.Khalid@soton.ac.uk

Peninsula Section

Analytical Division - Western
RSC Lecture: Natural Products as Leads for the Discovery of New Crop Protection Chemicals
 16 March at 10:00
 ID=109862
 Exeter University

• John Clough, Syngenta
 Dr Clough has a particular interest in the use of natural products as leads for the discovery of innovative chemicals for crop protection.
 Contact Alison Hill
t 01392 724605
e A.M.Hill@exeter.ac.uk

IRELAND

Northern Ireland Section

Meat Flavour-Chemistry Meets Sensory

9 February at 19:00
 ID=109890
 Queen's University Belfast
 • Dr Linda Farmer, Agri-Food and Biosciences Institute
 The links between chemical and sensory science (odour assessment and sensory panels)
 Contact Dermot Hanna
t 07894 309840
e hughdiarmaid@btinternet.com

INTERNATIONAL

CHINA

Dalton Division, Environment, Sustainability and Energy Division, Materials Chemistry Division
 Biomaterials Chemistry Group, Energy Sector, Applied Materials Chemistry Group
China UK Symposium on Metal-Organic Frameworks – Properties and Applications
 20-23 February
 ID=109986
 Sun Yat-Sen University, Nankai University and Peking University, China
 In association with: British Embassy (Beijing), Nankai University, Peking University and Sun Yat-Sen University
 Contact Chunxiao Zheng, RSC
t +86 01062 558655
e zhengc@rsc.org

INDIA

6th CRSI-RSC Joint Symposium in Chemistry
 2 February
 ID=109847
 National Institute of Interdisciplinary Science and Technology (NIIST), India
 In association with NIIST, Council of Scientific Industrial Research (CSIR) and Indian Institute of Science Education and Research (IISER)
 Contact Rajesh Parishward, RSC
t +91 08042 110385
e parishwad@rsc.org

Admissions - January 2012

Chartered Chemist (CChem)

Sarah Marie Beard, Sophie Beckett, Rachel Helen Brody, Katharine Rebecca Carruthers, Ruth Croxton, Simon John Cubbon, Kathryn Wendy Dobson, Martin Dutton, Daniel Fielden, Andrew Graeme Firth, Ian Forber, Myles Garrould, Sara Diane Huddart, Brett Kralj, Gwenaelle Marie Le Gurun, Michael Macdonald, Graeme McArdle, Fiona McLachlan, Fakhradin Mirkhalaf, Phil Peach, Torren Mark Peakman, Michael Paul Redmond, Anthony Neil Rigby, Neil Rutherford, Albert Mafara Rwarasika, Christopher James Satterley, Gareth Sheppard, Michael Alastair Stott, Emma Thain, Olivia Thompson, Robert Wybrow, Laura Yates.

Fellow (FRSC)

Tariq Ansari, Antony Appleyard, Kaushik Banerjee, Stephen Colley, David Craik, Selvarani Elahi, David Fergusson, Simon Gaisford, Anthony Gough, Martin Harper, Derek Horton, Henry Anderson Kelly, Motaza Khater, Prakash Kinthada, Changjun Liu, Dongsheng Liu, Anita Maguire, Alejandro G. Marangoni, Alan McKeown, Damien Martin Murphy, Li Niu, Tebello Nyokong, Murugan Ramalingam, Paolo Samori, Santiago Schnell, Dhruvo Jyoti Sen, Ghulam Shabir, Nelson Torto, David Leslie Westover, Michael Willis, Samir Zard.

Member (MRSC)

Heba Abourahma, Ali Alsalmeh, Alice Alston, Nigist Asfaw, Alief Bakhtiar, Ian Barker, Thomas Alexander Bassindale, Marcus Baumann, Roy J. Baxendale, Shannon Bearpark, Martin Beasley, David Benoit, Robin Stefan Bon, Christopher Bray, Rosa Busquets Santacana, Chiara Cappelletti, Armando Carlone, Sheryl Carolan, Laurent Caron, Rita Wang Ming Chan,

Wei Chen, Samantha Pui San Cheung, Matthew I. Cleveland, Emma Cochrane, Michael Joseph Coffey, Anne-Marie Corina Cristea, Marco Demortas, Louise Kathryn Dennis, Nawed Inayat Khan Deshmukh, Eleftheria Dossi, Paul Douglas, Eser Earley, Christine Edwards, Daniel Evans, James Evans, Kevin Ford, Ella Melissa Gale, Antony Gee, Ingrid George, Baljit Ghatra, Timothy Dennis Goddard, Stephen Goldup, Andrew James Hlary Green, Rachel Green, Christopher Greenlees, Rachael Guckenheim, Jason Patrick Hallett, Scott Halliday, Dalia Hamdy, Nathaniel Hawkins, Andrew James Hebden, Alison Heritage, Janet Lilian Hetherington, Christine Ruth Holdstock, Paul Holmes, Carol Angela Howell, Paul Hunt, Marc Hutchby, Salah Idris, Suil In, Craig James, Andrew Kerridge, Alexandra Kersting, Souvik Kusari, Elizabeth Leese, Mark Lorch, Mary Mara, Lynn Martin, Christopher May, Morag McFadyen, Alexandra McHugh, Catriona McKinlay, Charles Mebi, Kevin Morgan, Craig Murray, Jennifer Oakley, Peter O'Connor, Ofure Ojoosagie, Hal Pattenden, Thomas Peacock, Hong Mei Peng, Kirsty Penkman, Michael Phelan, Martina Piano, Juliette Pickles, Tim Prior, Pallavi Raja, Ian Ratcliffe, Helen Routledge, Sreekala Rugmini, Susan Sandeman, Ibrahim K. Sanusi, Uwe Schneider, Lauren Shurety, Joanna Ruth Simpson, Cheryl Isabella Smith, Christopher Roy Smith, David Snell, Jonathon Speed, Senthilarasu Sundaram, Avril Surgenor, Dimple Sutaria, Adnan Syed, Mark Tarn, Alexander James William Thom, Hayley Tomlinson, Jasper D.H. Van Heemst, Pradeep Varadwaj, Thomas Varley, Kirill A. Veselkov, Charlotte Willans, Robin James Williamson, David Wilsdon, Luet Lok Wong, Joseph Young, Muhammad Rahimi Yusop.

Associate Member (AMRSC)

Mahamed Abukar, Katie Adamson, Ali Al-Kinani, Stephanie Allpress, Aidan Ashton-Griffiths, Josephine Banks, Craig Tyler Barratt, Nicholle Bell, Rachael Bogacki, Anne Marie Burns, Shane Byrne, Ricky Cain, Daniel Andrew Cannon, Hayley Jayne Causer, Magdalene Wing Sau Chong, Noel Michael Clancy, Rhea Jane Clewes, Luke Dandy, Henry Day, Anthony Dicken, Marina Drosopoulou, Joshua Anthony Dunne, Adnan Falah, Alexandra Ferguson, Benedict Frampton, James German, Jack Gibb, Amy Goddard, Edward Greenhalgh, Matthew John Gregson, Shazia Hasnain, Jessica Hearn, Sam Hill, Mark Hopwood, Kelly A. Houton, Robert Iafe, Dhanisha K. Juleemun, Jonathan Katz, Stephanie Kelly, Jennifer Kennedy, Eleanor Louise Knight, Wai Sze Alice Kwong, Alistair Linsell, Denise Logue, Ciaran Lyons, Susan Jane Macintyre, Carl Mallia, Harriet Manning, Melissa Mariani, David McAuley, Cecelia McDonald, Kristy McKeating, Lisa McNamara, Eufemio Moreno Pineda, Hannah Morgan, Roisin O'Flaherty, Laura Palmer, Tanveerkhan Pathan, Nicholas Paul, Matthew Pennell, Rajesh Rengarajan, Thomas Oliver Ronson, Matthew James Rowland, Claire Rudd, Mahyar Sakari, Ben Smith, Kaylie Smith, Rachel Smith, Scott Sneddon, Jose Joao Sousa De Oliveira, Alan Stewart, Rachel Strickland, Giles Strong, Charlotte Louise Sutherell, Adrian Tan, Danielle Elizabeth Tattersson, James Taylor, Konstantina Theofili, Alex Thom, Christopher Thomas, Kate Elysee Wittering, Daniel Wood, Katherine Anne Wright, Waleed Zalloum.

Registered with the Science Council as a Chartered Scientist (CSci)

Elena Amico Di Meane, Sajid Bashir, Lisa Gibbon, Linda Claire Hilton, Gemma Scotney, Andrew John West.

People

2012 New years honours

The following RSC members received awards in the Queen's New Year's Honours List published on 31 December 2011:



CBE

Professor David Phillips
CBE BSc PhD CSci CChem FRSC
 We're delighted that RSC president David Phillips has been recognised for his services to science. David Phillips is Professor Emeritus at the Department of Chemistry, Imperial College London, and specialises in photochemistry and lasers.

Knight bachelors

Professor Sir Andre K Geim
HonFRSC FRS
 University of Manchester.
 For public and political services.

Professor Sir Kostya Novoselov
HonFRSC FRS
 Nobel laureate involved in the creation of graphene.
 University of Manchester.
 For services to science.

DR Venkatraman Ramakrishnan
HonFRSC FRS
 Medical Research Council
 For services to molecular biology.

OBE

Dr John F Stageman OBE BSc
CChem MRSC
 Vice President, UK Science Affairs, AstraZeneca.
 For services to the UK biotechnology industry.

MBE

Mr John Huddleston MBE BSc
CChem MRSC
 JJ Radley, Energy & Environment Consultant
 For services to the environment as a former knowledge leader and project director at AEA.

Student member quiz winners

Congratulations to Charlie Coleman (University of Bristol), Nic Andrews (Durham University) and Li-Shan Lee (University of Bristol) who won the Student Members Christmas quiz. Hosted on MyRSC, the quiz was designed to give student members some light relief from their studies and win a prize. The RSC also created a new 'Student Group' on MyRSC where students can interact with each other by sharing knowledge and information, as well as asking questions of the RSC or finding out about membership visits to institutions.



A Chemistry of Music

Over 140 people enjoyed a concert sponsored by the Edinburgh and SE Scotland Local Section. 'A Chemistry of Music', held in December at Canongate Kirk, was organised as part of the International Year of Chemistry 2011 and featured Edinburgh-based composer Julian Wagstaff and contemporary music group the Hebrides Ensemble.

Wagstaff spent time with researchers, industrial chemists, school teachers and pupils to compose a new piece inspired and informed by groundbreaking research in the field of chemistry in Scotland. The concert also included pieces by Beethoven and Russian composer and professional chemist Alexander Borodin.

PERSONAL NEWS



Professor Sir John Meurig Thomas
CChem FRSC FRSE
FRS has been awarded the 2011 Kapitza Gold Medal of the Russian Academy of Natural Sciences.



Professor V Craig Jordan OBE CChem
FRSC is the 2012 recipient of the Goodman & Gilman Award for Receptor Pharmacology from the American Society of Pharmacology and Experimental Therapeutics.

Steven Wilson, CChem MRSC has been appointed executive director of the International Council for Science.

Vacancies and Elections

The closing date for receipt of nominations for vacancies on Boards and Divisions is 5 March 2012 (see RSC News January page 19 for more information). Further information on the vacancies can be found online.

www.rsc.org/vacanciesandelections

If nominations exceed vacancies, the Electoral Reform Services will manage the election, counting the electronic and paper votes and reporting the results to the RSC.

Members who have provided a valid email address to the RSC will be able to vote electronically. Members who wish to update their email address should contact the membership team by 20 March.

membership@rsc.org

Voting papers will be posted to members who have not provided a valid email address.

Solar powered classrooms

The RSC is dedicated to advancing the chemical sciences across developing countries and, through the PACN programme, is making a strong impact on chemistry in Africa.

It's therefore great to see a new project at the University of Southampton, which has been formulated to offer students in developing countries a way to access IT resources, even in rural areas. The exciting research harnesses solar energy, via solar energy generator, to power mini-projectors, bringing modern technology to schools which currently lack electricity.

Using multimedia teaching materials provided by the RSC, project leaders Tony Rest and Keith Wilkinson hope the technology will help students learn about laboratory experiments and techniques to further their scientific education.

Deaths

Dr Colin Frank Bell CChem FRSC Retired senior lecturer, inorganic chemistry department, Brunel University. Died December 2011, aged 83

Dr Angus Richard Brown CSci CChem MRSC Formerly senior research scientist, Schering Plough Corporation. Died 28 November 2011, aged 47

Mr John Patrick Bryon CChem MRSC Retired self employed technical consultant and translator. Died 20 November 2011, aged 86

Mr Martin Alan Cooke CChem MRSC Retired. Died 13 October 2011, aged 70

Dr Charles William Patrick Crowne CChem FRSC Retired principal lecturer, physical chemistry, City of London Polytechnic. Died 13 November 2011, aged 84

Professor Richard Arthur Dodd CChem FRSC Formerly emeritus professor,

University of Wisconsin-Madison, USA. Died 18 November 2011, aged 89

Professor William Von Eggers Doering MRSC Formerly emeritus professor, Harvard University, USA. Died 3 January 2011, aged 93

Mr Ralph Goulden CChem FRSC Retired. Died August 2011, aged 86

Mr Peter David Groves CChem FRSC Retired publisher, Meridian Books. Died 24 September 2011, aged 84

Dr William Ware Harpur CChem MRSC Retired consultant. Died 1 December 2011, aged 82

Professor Lars Harry Hellberg MRSC Retired department of chemistry, San Diego State University, USA. Date of death not supplied

Dr Terence John Henman CChem FRSC Retired, ICI chemicals and polymers

and proprietor of Cambridge Polymer Consultants. Died 7 May 2011, aged 70

Dr Gordon Latham Hollis MRSC Formerly consultant, detergent chemicals. Died 23 October 2011, aged 88

Mr Robert Horn CChem MRSC Retired teacher, Dumbarton Education Authority. Died 10 December 2011, aged 63

Mr George Darrell Jeffcote MRSC Retired business manager, BASF Plc. Died 24 October 2011, aged 76

Mr Sydney Joshua Lachman CChem MRSC Retired medical practitioner. Died 24 July 2011, aged 90

Mr Walter Alfred Latham MRSC Retired technical assistant, Pilkington Bros Ltd. Died June 2011, aged 80

Mr Albert Keith Longstaff CChem FRSC Retired. Died March 2011, aged 79

Mr David Allen Neilson MRSC Retired research

chemist, Unichema Chemicals Ltd. Date of death not supplied

Mr John William George Neuhaus CChem MRSC Retired assistant government analyst, Health Commission of New South Wales, Australia. Died 28 February 2011, aged 89

Professor Harry Erwin Nursten CChem FRSC Formerly emeritus professor, University of Reading. Died 20 December 2011, aged 84

Dr Donald William Oldfield CChem FRSC Retired technical officer, organics division, ICI Ltd. Died 28 October 2011, aged 82

Mr Dennis Stephen Papworth OBE CChem FRSC Retired consultant. Date of death not supplied

Dr Cecil Allen Parker CBE CChem FRSC Retired deputy chief scientific officer, Admiralty Technical

Establishment. Died 20 November 2011, aged 91

Mr Gershon Shaffer CChem MRSC Formerly director, Uniplast Products Ltd. Date of death not supplied

Mr Reginald David Taylor CChem FRSC Retired manager, BIP Chemicals Ltd. Died 29 November 2011, aged 91

Mr Terence William Teece CChem MRSC Retired managing director, Drycool Equipment Ltd. Died February 2011, aged 80

Mr John Alexander Whent CChem MRSC Retired international co-ordinator, Huntsman Chemical Company, International Division. Died 26 April 2011, aged 85

Mr Peter John Williams CChem MRSC Retired senior engineer, CEGB. Died 30 August 2010, aged 78

RSC Events 2012

Advancing knowledge in the chemical sciences



Major Scientific Conferences

Tribology (Faraday Discussion 156)

2 - 4 April 2012, Southampton, UK

www.rsc.org/FD156

Challenges in Organic Chemistry and Chemical Biology (ISACS7)

12 - 15 June 2012, Edinburgh, UK

www.rsc.org/isacs7

Molecular Reaction Dynamics in Gases, Liquids and Interfaces (Faraday Discussion 157)

25 - 27 June 2012, Assisi, Italy

www.rsc.org/FD157

Soft Matter Approaches to Structured Foods (Faraday Discussion 158)

2 - 4 July 2012, Wageningen, The Netherlands

www.rsc.org/FD158

Analytical Research Forum 2012

2 - 4 July 2012, Durham, UK

www.rsc.org/ARF12

Challenges in Inorganic and Materials Chemistry (ISACS8)

19 - 22 July 2012, Toronto, Canada

www.rsc.org/isacs8

Crystallisation – A Biological Perspective (Faraday Discussion 159)

23 - 25 July 2012, Leeds, UK

www.rsc.org/FD159

Challenges in Nanoscience (ISACS9)

31 August - 3 September 2012, Xiamen, China

www.rsc.org/isacs9

Ion Specific Hofmeister Effects (Faraday Discussion 160)

3 - 5 September 2012, Oxford, UK

www.rsc.org/FD160

21st IUPAC International Conference on Physical Organic Chemistry (ICPOC 21)

9 - 13 September 2012, Durham, UK

www.rsc.org/ICPOC21

Inorganic Photophysics and Photochemistry – Fundamentals and Applications (Dalton Discussion 13)

10 - 12 September 2012, Sheffield, UK

www.rsc.org/DD13

Lipids and Membrane Biophysics (Faraday Discussion 161)

11 - 13 September 2012, London, UK

www.rsc.org/FD161

Directing Biosynthesis III (DBIII)

19 - 21 September 2012, Nottingham, UK

www.rsc.org/DBIII

Register with us and keep ahead in your field