



Member Networks Annual Report Form 2016

To enable us to better support our networks and their activities all member networks (Local Sections, Interest Groups and Analytical Division Regions) are asked to complete this form and return it to networks@rsc.org. The information is shared with the members of your networks, staff and governance Boards and Committees (inc. Division Councils).

Or by post to; Dr Fiona McMillan, Royal Society of Chemistry, Thomas Graham House, Science Park, Milton Road, Cambridge, CB4 0WF.

This report form will be uploaded to the appropriate web page (signature deleted) unless requested otherwise.

GROUP NAME	South East Wales Local Section
Submitted by	Philip R. Davies
Signed (may be signed electronically)	
Date	2/5/2017

Please list below the dates of your planned AGM and Committee Meetings (where applicable).

Annual General Meeting (if being held)

Date:	20 th April 2016
Venue:	The Holiday Inn, Castle Street, Cardiff

Proposed Committee Meetings Dates

Date	Venue
4 th July 2016	Cardiff University
3 rd October 2016	Quotient Bioresearch, Cardiff Bay
12 th December 2016	Cardiff University
19 th April 2017 - AGM	The Holiday Inn, Castle Street, Cardiff

Financial Accounts for the year ending 31 December 2016

Deadline for receipt of Financial Accounts by RSC Finance Team: **14th February 2017**

Deadline for receipt of Annual Report by Networks Team: **21st February 2017**



EVENTS

Please attach any meeting reports, newsletters or other reports which are relevant.

Please report below on activities undertaken in the past year. If you have more detailed information about any particularly successful events, or advice to share please use a separate sheet. For more events continue as necessary.

EVENT KEY:

- Education Event
- Public Lecture
- Retired Members Event
- Scientific Conference - 1 day
- Scientific Conference - multi day
- Social Event
- Training/workshop
- Award Lecture

Event Name	AGM and mixer meeting
Event Type (key)	Social Event
Comments	20/04/2016 Increased numbers this year (25), we hope to continue expanding this event in our region

Event Name	Cardiff Chemistry Conference
Event Type (key)	Scientific Conference
Comments	9 th & 10 th May 2016 The local section sponsored the annual Cardiff Chemistry Conference Cardiff University (Large Shandon Lecture Theatre). Free to RSC members allowing all local section members the opportunity to interact with international leaders in chemistry. This opportunity is not used as much as we would hope, we will look how to improve this in future years.

Event Name	Retired members lunch
Event Type (key)	Social event.
Comments	15 th June 2016 & 7 th December Inaugural lunch for retired members sponsored and organised by the Local Section in Aberdare Hall, Cardiff University. 5 members attended in January and 6 in December It was agreed that the initiative should be continued. Questionnaire sent to retired members of the section to ask about preferred venues, formats and times.

Event Name	Top of the Bench Regional finals
Event Type (key)	Education Event

Comments	12/10/2016 Increased numbers again this time from last year, we hope to continue expanding this event in our region
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Event Name	Eisteddfod festival,
Event Type (key)	Education Event
Comments	29 – 6 th August 2016 The Local section funded a (very expensive!) Chemistry table at the Eisteddfod in Castle Meadows, Abergavenny. We attracted c.a. 10 ordinary members of the local section to come and help run the stall. The Eisteddfod attracts 130,000 people annually from a much wider section of society than most science shows would reach and so this is a very important event for the Welsh branch of the RSC.

Event Name	Lectures and Seminars sponsored by the Local Section			
Event Type (key)	Scientific lecture (Diverse range of chemistry sub-disciplines which aim to capture the interests of a wide cross-section of RSC members.) The Local Section sponsors the speakers costs for a selection of these talks.			
Comments	Date	Speaker	Institution	Title
	08/09/2016	Steven Benner	FAME, Florida	Recent Advances in the Chemistry of Nucleic Acids
	19/09/2016	Prof David Chenoweth	Uni. Pennsylvania	Control and Imaging of Cellular Processes Using New Chemical Tools
	03/10/2016	Prof Gideon Davies	Uni. York	The wonderful world of carbohydrates: from enzyme mechanism to clinical tools
	10/10/2016	Stephen Sproules	Uni. Glasgow	Rhenium: Der Zauberer
	14/10/2016	Prof Guy Bertrand	Uni. California, San Diego	Stable carbenes as powerful tools in organic, inorganic and organometallic chemistry
	17/10/2016	Dr Emma Emanuelsson	Uni. Bath	Reaction engineering, catalysis and why Chemical Engineers need to work with Chemists!
	17/10/2016	Dr John P Richard	Uni. Buffalo	Enzyme Activation through Ligand Binding: A Paradigm for Enzyme Catalysis
	31/10/2016	Dr Christophe Salzmänn	UCL	Ice - a material with many facets
	07/11/2016	Dr Neeraj Sharma	Uni. New South Wales	Watching Reactions Take Place at the Atomic Scale (and learning from them)'
	14/11/2016	Sarah Staniland	Uni Sheffield	Understanding and Exploitation of Magnetotactic Bacterial Biomineralisation to Produce Biomedical and Nanotechnological Magnetic Nanoparticles via Biomimetic Syntheses
	28/11/2016	David Lennon	Uni. Glasgow	The Hydrogenation of Aromatic Nitriles Over Supported Metal Catalysts: Kinetic and Mechanistic Insight
	05/12/2016	Prof. Jonathan Nitschke	Uni. Cambridge	Transformative Cages and Luminous Chains: Functional Chemical Systems through Subcomponent Self-assembly
	12/12/2016	Andy Teale	Uni. Nottingham	Molecules in Extreme Magnetic Fields: Exotic Electronic Structure, Bonding and Properties
	09/01/2017	Prof Joerg Feldmann	Aberdeen	From Pilot Whales to Rice Fields: Elemental Speciation Analysis is the Key to Understand Processes in Biology and the Environment
	16/01/2017	Prof Jonathan Williams	Uni. Bath	Catalytic Synthesis of Amides
23/01/2017	Prof Lee Brammer	Uni. Sheffield	Flexibility, Dynamics & Chemical Reactions in Solids:	

				Molecular Crystals to Framework Materials
30/01/2017	Adam Kirrander	Uni. Edinburgh		Imaging and simulating photochemical dynamics
06/02/2017	Prof. Harry Anderson, FRS	Uni. Oxford		Synthesis and Photophysics of Light Harvesting Nanorings: Flow of Energy & Charge in Porphyrin Arrays
06/02/2017	Prof Su-Yuan Xie	Xiamen University China		Discovery & Macroscopic Syntheses of Newly Emerging Carbon Materials: Fullerenes, Carbon Nanotubes & Graphenes
08/02/2017	Prof Su-Yuan Xie	Xiamen University China		Novel Fullerenes Stabilized by Chlorination/Hydrogenation
09/02/2017	Prof Su-Yuan Xie	Xiamen University China		New Structures of Fullerene Stabilized by Chlorination/Hydrogenation
13/02/2017	Andrew Ashley	Imperial		Teaching Old Compounds New Tricks: Efficient N ₂ Fixation by Simple (Fe(N ₂)diphosphine) ₂ Complexes
13/02/2017	Prof. Su-Yuan Xie	Xiamen University China		Functionalisation of Fullerene as Electron Acceptors in Organic/Perovskite Solar Cells
20/02/2017	Dr Ruth Webster	Uni. Bath		Fast and Ferrous: Iron Catalysis for the Synthesis of Element-Element and Carbon-Element Bonds
27/02/2017	Prof Robert Mulvey	Uni. Strathclyde		Synergistic Approaches to C-H Metallation: Template and Trans-Metal-Trapping
06/03/2017	Prof Jonathan Waltho	Uni. Manchester		Kinases, Phosphatases, Phosphomutases and G-Proteins

Event Name	Chemistry Week
Event Type (key)	Education Event
Comments	23rd November Chemistry / mineralogy joint event museum. 40 students who had a combined spectroscopy and mineralogy activity in the museum. Students were A-level.

Event Name	Chemistry Week
Event Type (key)	Education Event
Comments	27 November 2016 The Local section paired with the National Museum of Wales Cardiff to put on an exhibit at the Museum. The Museum created a stall based on their mineral deposits whilst the Local section created a display based on the link between minerals and chemistry, in particular catalysis.

Event Name	Chemistry Week
Event Type (key)	Education Event
Comments	27 November 2016 Molecule Hunt The Local section paired with the National Museum of Wales Cardiff to put on a city wide molecule hunt based on the event created by the RSC in 2014. The molecules linked to the materials on show at the Museum.



Event Name	Chemistry at Christmas
Event Type (key)	Education Event
Comments	Staged in Pontypridd USW. 18 Year 10 students had a day workshop making Christmas themed chemistry activities.



AWARDS AND BURSARIES

Please list any awards or bursaries presented by your committee in 2015 and indicate any which will be open for nomination/application in 2016.

Best performing undergraduates in the School of Chemistry at Cardiff University:
Three prizes of £100 (+ £50 each from the School)

Best performing undergraduates in the School of Chemistry at University of South Wales:
Students awarded £100 each

- *Best Final Year BSc Chemistry Project*
- *Best Performing Student in Advanced Analytical Chemistry in the Final year*

Other information/comments:



ROYAL SOCIETY
OF CHEMISTRY

PLANNED ACTIVITIES

Please report below on activities proposed. For more events continue as necessary.

Event Name	Eisteddfod
Comments	The Local Section, working with the regional coordinators will put up an exhibit at the National Eisteddfod which is being held in Abergavenny in August 2016.
Event Name	Top of the Bench Regional finals
Comments	Scheduled for October 2017
Event Name	Industrial Chemist Members meeting
Comments	The section is exploring the possibility of a meeting of members of the local section involved in industry. No date has been decided upon as yet.
Event Name	Chemistry Week 2017
Comments	November 2017 The Local section has committed itself to organising some activities for Chemistry week in 2016. We hope to stage a molecule hunt similar to the one in 2014 and perhaps a lecture/exhibit in the museum.



COMMITTEE

(this information will be used to update our membership database and your web page where appropriate)

Position	Name	Dates on committee (20xx – 20xx)
Chair	Philip R. Davies	2014-2016
Secretary	Paul Newman	2014-2016
Treasurer	Rebecca Melen	2015-2016
Ordinary Members	Ben Ward Tony Olavesen James Redman Mark Elliott Dayna Mason James Redman James Travers Mark Waring Natasha Galea Sankar Meenakshisundaram	
Chemists' Community Fund (if relevant)	James Travers	2016-
Co-opted members and their affiliation	Peter Knowles Merfyn Jones Leigh Jeffes	