Scotland’s First Minister, Nicola Sturgeon MSP, is pictured with the President of the Chinese Academy of Sciences, Professor Chunli Bai, and the President of the Royal Society of Edinburgh, Dame Jocelyn Bell Burnell, on the occasion of Professor Bai’s visit to Scotland, during which he was admitted as an Honorary Fellow of the Royal Society of Edinburgh.
New HonFRSE 2015

Professor BAI Chunli HonFRSE, 
President, Chinese Academy of Sciences

Bai Chunli is President of the Chinese Academy of Sciences and Professor of Chemistry, CAS Institute of Chemistry. He is also the current President of TWAS, The World Academy of Sciences, (formerly known as the Academy of Sciences for the Developing World).

Professor Bai was elected to Honorary Fellowship, the highest category of Fellowship, in March 2015. Despite a very busy diary, he visited the RSE on Friday 29 May, and was welcomed into the Fellowship and invited to sign the Roll (right).

Professor Bai’s research areas include the structure and properties of polymer catalysts, X-ray crystallography of organic compounds, molecular mechanics and electro-conducting polymers. In the mid-1980s, he directed his research interests to scanning tunneling microscopy and molecular nanotechnology, and became one of China’s pioneers in these fields. His team built China’s first Atomic Force Microscope. He has received numerous awards and recognition for his scientific contributions and is recognised by the membership of many major national science academies.
The RSE has established strong ties with sister organisations in China and is currently working to develop those links further. The RSE has Memoranda of Understanding with the four leading research organisations in the country – the Chinese Academy of Sciences (CAS); the National Natural Science Foundation of China (NSFC); the Chinese Academy of Social Sciences (CASS); and the Chinese Academy of Engineering (CAE). One of the longest standing collaborations is with CAS.

The Chinese Academy of Sciences was established on 1 November 1949 in Beijing, where it is headquartered. CAS is the linchpin of China’s drive to explore and harness high technology and the natural sciences for the benefit of China and the world. Comprising a comprehensive research and development network, a merit-based learned society and a system of higher education, CAS brings together scientists and engineers from China and around the world to address both theoretical and applied problems using world-class scientific and management approaches.

A Memorandum of Understanding with CAS was signed in Shanghai in March 2002. The agreement was signed by Lord Wilson of Tillyorn, Convenor of the RSE International Committee at that time, who was instrumental in the creation of the MoU. It was also signed by Professor Lu Yongxiang, the then President of CAS.

Since then, there has been a number of joint activities with CAS, and other Chinese partners, the most recent of which are detailed below:

- **June 2011** – a delegation from CAS visited the RSE, led by Mr Ding Li, Director General, Supervision and Auditing Bureau, CAS.
- **October 2011** – a delegation visited the RSE led by Xiufen Zhao, Chief Editor, English Editorial Group, CAS Website.
- **September 2012** – a delegation visited the RSE led by Ms Hong Miao, Deputy Director General, Bureau of Personnel and Education, CAS.
- **June 2012** – Professor Bai Chunli, the current President of CAS, visited the RSE. He also visited the Royal Botanic Garden and Edinburgh Zoo.
- **September 2013** – an RSE delegation visit to China led by Sir John Arbuthnott, then RSE President, discussed issues around the integration of academia, business and policy, with the aim of supporting economic growth and innovation in Scotland and China. See pages 1–3 of RSE Newsletter ReSourcE, Issue 41, Autumn/Winter 2013, www.royalsoced.org.uk/cms/files/publications/ReSourcE/13AutumnWinter.pdf
- **May 2014** – a delegation from the NSFC, led by Vice-President, Professor Liu Congqiang visited Scotland. They spent time with the Scottish Innovation Centres in Glasgow, met Cabinet Secretary, Angela Constance, and visited the Scottish Funding Council and the Scottish Alliance for Geoscience, Environment and Society. A dinner at the RSE was also attended by Pan Xinchun, Consul-General of The People’s Republic of China.

In Autumn 2014, the RSE produced a special issue of its publication *Science Scotland*, (Issue 16) on all eight of the new Scottish Innovation Centres. This issue was also translated into Mandarin and distributed at the meeting in December 2014. Both versions are available on the *Science Scotland* website at: www.sciencescotland.org/issue.php?id=23 or in hard copy from the RSE.

A report on the December 2014 visit is available on the RSE website at: www.royalsoced.org.uk/66_Publications.html
The RSE Comments

The Nurse Review of Research Councils

A Working Group of RSE Fellows and Young Academy Members was set up in April 2015 to respond to Sir Paul Nurse’s (PRS HonFRSE) review of Research Councils.

The Working Group used the opportunity to emphasise the central role of Research Councils in what is currently one of the most productive and cost-effective publicly-funded research bases in the world. The Research Council system is a key mechanism through which the fundamental principles of independence (of researchers to make funding decisions) and excellence (as the overriding priority informing funding decisions) are protected. Research Councils are also a fundamental pillar of the dual support system that underpins the UK research base, allowing universities to strategically plan and invest for the future, whilst ensuring that world-class investigations are supported across the breadth of disciplines.

Recognising that it is right for government to identify high-level, open questions that it expects researchers, using public funds, to answer, Research Councils are necessary to:

- engage in real depth with their respective research communities on the setting of strategy and priorities in their disciplines;
- act as a conduit for government and societal engagement; and
- strike a balance between demands for support for immediate impact and protection of basic, exploratory research that is crucial to the long-term strength, flexibility and competitiveness of the UK research base.

The future effectiveness of the Research Councils will depend, however, on a number of factors. Increasing pressure on financial resources means that a growing level of internationally-excellent research goes unfunded, across the disciplines. The UK Government must recognise this pressure. The Director-General for Knowledge and Innovation has a clear strategic and proactive role in deciding the allocation of funding between Research Councils and must be informed by a comprehensive understanding of the research funding landscape, the need to balance government-directed priorities with fundamental and response-mode capabilities and the need for long-term stability and capacity building in the system.

Government commitments to the creation of large-scale flagship research facilities must be supported by sustainable funding streams. If further demands are to be made on Research Council budgets in relation to these costs, then the funding pot must be expanded accordingly.

Further, Research Councils, with effective leadership at RCUK, must continue to strengthen their activity and effectiveness in supporting interdisciplinary, inter-institutional and international collaborations. They must also continue to strengthen relationships with Innovate UK and industry, to ensure that maximum benefit is derived from Council-funded research and facilities. The Triennial Review is an appropriate mechanism to guide improvements and increase effectiveness across Research Councils.

The full response to the Nurse Review of Research Councils can be found on the RSE website: www.royalsoced.org.uk/cms/files/advice-papers/2015/AP15_05.pdf
Professor Lynn Conway is pictured at the IEEE Honors Ceremony in New York on 20 June 2015, at which she was presented with the IEEE/RSE James Clerk Maxwell Medal supported by Cirrus Logic. Also pictured (left to right) are: IEEE President-elect, Barry Shoop; RSE Vice-President, Tariq Durrani; Cirrus Logic’s Corporate Communications Publisher, Bill Schnell; and IEEE President, Howard Michel.
Bordering on the Supernatural

**Professor Douglas Gifford FRSE**
Emeritus Professor of Scottish Literature, University of Glasgow

**Professor Kirsteen McCue**
Head of Scottish Literature, University of Glasgow

**Dr Lizanne Henderson**
Lecturer in History, University of Glasgow

The three expert speakers will discuss the engagement with the supernatural in Borders Literature, notably in the Border Ballads and in the work of Walter Scott and James Hogg.

---

Light’s energy is fundamental to life. But in addition to energy, light beams carry a momentum. A laser pointer shining at you makes you both slightly hotter and pushes you away. This push force is approximately the weight of a single biological cell.

Beyond the energy and push of light, my own team’s interest is light’s twist. Making cells dizzy (an optical spanner) is fun, but our work also includes light’s twist to increase the data capacity of communication systems and provide new insights into quantum science.

This lecture forms part of an RSE Ordinary Meeting and so will be preceded by Society business, such as Fellows signing the Roll.

---

**Monday 14 September 2015 at 6 pm**

**LORD KELVIN PRIZE LECTURE**

*The Twist in Light’s Tail*

**Professor Miles Padgett FRS FRSE**
Vice-Principal for Research and Kelvin Chair of Natural Philosophy (Physics and Astronomy), University of Glasgow

Canadian federalism and British devolution face new challenges. There are questions over the right level for social solidarity and welfare. There are disputes about fiscal decentralisation and transfers. Policy issues cut across the levels of government, calling for new forms of intergovernmental cooperation. Party politics is reconfiguring at different levels. The courts play an increasing role in settling disputes amongst levels of government. There are questions of national recognition and the place of Scotland and Quebec. The conference will bring together scholars from Canada and Scotland for a comparative analysis of these questions and what each country can learn from the other.

Joint event with the Royal Society of Canada

---

**Monday & Tuesday 14 & 15 September 2015**

**TWO-DAY CONFERENCE**

*Constitutional Change in Canada and the UK – Challenges to Devolution and Federalism*
Tuesday 27 October 2015 at 7 pm at Moffat Academy, Moffat

RSE@The Holywood Trust – PUBLIC TALK

Gravitational-Wave Astronomy: Opening a New Window on the Universe

Professor Martin Hendry MBE FRSE
Director, Head, School of Physics and Astronomy, University of Glasgow

Gravitational waves are ripples in the fabric of Space and time, predicted by Einstein and produced by the most violent events in the Cosmos: exploding stars, colliding black holes, even the Big Bang itself. Using a global network of giant laser interferometers – among the most sensitive scientific instruments ever built – astronomers are on the threshold of directly detecting gravitational waves for the very first time. Professor Hendry will describe the remarkable technology that underpins this exciting new field, and highlight the fundamental questions – about stars, galaxies, cosmology, perhaps even the nature of Space and time – that may be answered as we open this new window on the Universe.

Professor Hendry is the winner of the 2015 RSE Public Engagement Senior Prize: both he and the Innovator Prize winner will be presented with their medals at this event

RSE Events are open to all and normally free to attend, but registration is required. To register, please contact the Events Team – 0131 240 2780 – events@royalsoced.org.uk or go online at: www.royalsoced.org.uk. Some events may carry a charge – please check individual details.

PLEASE NOTE: If you usually book event tickets online, the RSE has recently launched a new online booking system that allows users to update their own account details and register for events. The site is accessed from the RSE website as usual and guidance is provided as you proceed to the new system. You must have an email address if you wish to use the online booking system. Please do not hesitate to contact the Events Team if you have any problems using the new system.
Since 2014, the RSE has been working with Irvine Bay Regeneration Company to deliver a programme of educational activities for schools and the general public in the Irvine Bay region. The activities provided focus on areas closely aligned with the regeneration of Irvine Bay, helping to build interest in engineering and science, and stimulate aspirations, particularly amongst young people living in the area. The demand for events has greatly exceeded expectations, particularly from local secondary and primary schools, with nearly 100 talks and workshops being delivered by the RSE’s distinguished Fellows and other experts.

Highlights of the public talk series have covered the following topics:

- Does what we eat Matter?
- The Making, Keeping and Losing of Memory
- The Cultures of Apes and Other Animals
- The Rise and Rise of Video Games in Scotland
- The Large Hadron Collider – What it might tell us about the Universe;
- and Brainwaves, which comprised an interview with Professor Dame Jocelyn Bell Burnell, during which BBC Radio Scotland presenter, Pennie Latin found out about the President’s life, research and career for the BBC Brainwaves radio programme. The programme was broadcast in January 2015.

Summary reports from all of these events are available on the website at: www.royalsoced.org.uk/1149_PublicProgramme.html

Following discussions with the Irvine Bay Regeneration Company about extending this successful programme, it has now been confirmed that it will continue until Summer 2016.

RSE @ The Holywood Trust

Following the successful RSE @ Dumfries and Galloway programme which took place in 2010–2011, the continued support of The Holywood Trust has enabled the RSE to deliver a reduced legacy programme in the region until 2016.

During 2014–2015, 15 events for secondary and primary schools have taken place, reaching over 1000 pupils.

Topics have included:

- Big is Beautiful;
- The Suffering Gene;
- Who is Robert Burns?
- The Dark Side of the Universe;
- Maths is BEST;
- and as well as workshops focusing on Physics for Girls.

The public talk for 2014, Should I Vote? Yes or No? took place in Dumfries and was based on the RSE’s Enlightening the Constitutional Debate series of discussions, debates and lectures. The event attracted a large local audience, who listened to an expert panel discussing their viewpoints on the Independence Referendum. This event was also presented to a secondary school audience of voting age and focused on the relevant issues and the importance of using your vote.

Professor Martin Hendry MBE FRSE will deliver the 2015 RSE @ The Holywood Trust public talk at Moffat Academy in October 2015. He will also be awarded the RSE’s Senior Public Engagement Prize by Dame Jocelyn Bell Burnell at this event. (See page 7).

Outreach Programmes

Talk Science @ Irvine Bay

Professor Hendry is pictured sitting on the Albert Einstein Memorial, a monumental bronze statue by sculptor Robert Berks, located in Washington D.C.
RSE @ Scottish Borders

The RSE @ Scottish Borders outreach programme was launched at Galashiels Academy in February 2015 with an event called *What Made the Borders?* An afternoon school event was followed by a reception and public talk featuring three expert historians, Professor Richard Oram, Professor Michael Brown and Dr Steven Boardman, who discussed the history of the Borders from the Roman to the late Medieval period.

The aim of the RSE @ initiative is to enhance the understanding and appreciation that people, and in particular school children, have of their local community by encouraging a sense of belonging to an area rich in cultural and human resources. RSE @ Scottish Borders will run until 2016.

Following the launch event in Galashiels, three further public talks have now taken place:

- **From Banditry to Books: Enlightening the Scottish Borders**, with Professor Ted Cowan FRSE in Kelso;
- **A Good Man in Africa: Mungo Park, the Niger and Late Enlightenment Exploration** with Professor Charles Withers FRSE in Selkirk; and
- **Women and the Stars** with Professor Dame Jocelyn Bell Burnell PRSE, Professor Monica Grady, Dr Claire Brock and Dr Mhairi Stewart; a Saturday event held in Duns.

Details of other events already planned over the coming months in Selkirk and Jedburgh are on pages 6 and 7 and new events will be detailed on the RSE website as they are organised.

A complementary series of events for primary and secondary schools is also planned for the region.

The RSE Schools Discussion Forum also took place at Galashiels Academy in February 2015, with senior pupils considering *The Science Behind Fashion*, in conjunction with students from Edinburgh College of Art.

A Resource Pack related to this event will be produced, enabling teachers throughout Scotland to have discussions on this topic in their own classrooms.

If you would be interested in contributing a school talk, workshop or public lecture to the outreach programmes, please contact Kate Kennedy, RSE Project Officer – kkennedy@royalsoced.org.uk to register your interest.
Since its establishment in 2011, the Young Academy of Scotland (YAS) has completed three recruitment cycles and now comprises 151 members. Its Working Groups are growing in variety and remit, and are pursuing a diverse set of projects, all united under the aim of contributing to the public good. A few of the projects which are engaging YAS members are detailed here.

**Strategic Framework**

On 17 April, the YAS held a Plenary Meeting at Glasgow University. The theme of the meeting was *2020 vision — YAS 5-year Strategic Framework*.

Keynote speakers Alastair Maclean, Director of Corporate Governance, City of Edinburgh Council, and David Grevemberg, Chief Executive Officer, Glasgow 2014 Commonwealth Games, gave presentations on the development of organisational strategies. YAS members then split into working groups to begin devising a YAS strategy document.

Following the Plenary, a group of six members met to collate and revise the strategy notes created by the membership. This document is now being finalised before being sent to all 151 YAS members for approval.

Pictured (above) at the meeting are YAS members with the guest speakers (l–r): Dr Karly Kehoe; Dr Lisa Debruine; Dr Giles Hammond; Alastair Maclean; David Grevemberg; and Dr Victoria Martin.

Members collaborate on a Strategic Framework at the Spring Plenary Meeting.

The completed Strategic Framework will be launched at the two-day Annual General Meeting at Heriot-Watt University in Edinburgh on 26–27 August 2015.
Excellence in Education

The YAS Excellence in Education Working Group started a social media campaign in January, which asked Scots from all walks of life to share a favourite aspirational quote with young people. Although this campaign – which included a competition sponsored by textbook publishers, Leckie and Leckie – was due to finish at the end of April, it was such a success that the YAS decided to extend it through the summer.

Those wishing to give a piece of advice, or read the advice that others are giving, can still do so by viewing the hashtag #AspirationalAdvice and the twitterfeed @YoungAcademyScotland.

Glasgow 2014 Commonwealth Games CEO David Grevemberg (right) offers his #AspirationalAdvice.

Arts, Humanities and Society

The Arts & Humanities make a significant contribution to society, helping to address major social, economic and environmental challenges. This Working Group promotes Arts & Humanities research and practice which helps to ensure that the needs of society – in Scotland and in the wider world – are met in fairer, more responsible and more sustainable ways.

We believe that collaboration and partnership are fundamental in this context and we aim to catalyse greater cooperation between Arts & Humanities disciplines and those in the Social Sciences and Sciences, and between researchers, practitioners, communities, policy makers, and organisations in the public, private and third sectors.

We have highlighted the following as priority themes upon which our activities will focus:

- tackling significant inequalities in society;
- improving life chances for individuals and families;
- creating sustainable places which contribute to quality of life;
- valuing our built and natural environment and protecting and enhancing it for future generations;
- building strong, resilient and supportive communities.

The Arts, Humanities and Society Working Group sponsored a workshop on University–Prisons Partnerships in International Context on 20 March. This event brought together academics and professionals with experience or interest in forming links between academia and the penal system. Speakers included Lori Pompa (pictured left), Founder and Executive Director of the Inside-Out Prison Exchange Program at Temple University, Philadelphia, and Fiona Measham (right), Director of the UK’s first Inside-Out prison teaching programme at Durham University.

A detailed report of this event was published on the YAS website: www.youngacademyofscotland.org.uk/events/past-events/

For more information on these projects and other YAS activities, please visit the website: www.youngacademyofscotland.org.uk
McIntyre’s Parcel of Fine Red Herrings
[A Life of Learning, Love and Laughter]
ISBN: 978-178456-039-3

A biography of the late Donald B. McIntyre FRSE (1923–2009) has recently been published. Edited by Donald’s widow, Ann, the book brings together a fascinating collection of Donald’s writings, address, speeches and notes; representing the life and work of a Scottish geologist who was widely respected as one of the leading authorities on the work of James Hutton, the ‘Founder of Modern Geology’. As well as being an inspirational teacher of geology, Donald’s interests and expertise ranged from mountaineering to scholarly work on 18th-Century Edinburgh; from the development of pioneer computer languages to playing the bagpipes and becoming a connoisseur of fine wines.

This highly-readable ‘potpourri’ collection, 85% of which is in Donald’s own words, is priced at £12.50 and is available direct from the publishers: www.fast-print.net/bookshop, or from any good bookshop or internet retailer.

Plants: Healers and Killers
by Professor Michael Radcliffe Lee FRS FRSE


Professor Michael Radcliffe Lee FRS FRSE is a retired member of the Faculty of Medicine at Edinburgh University, where he held the Chair of Clinical Pharmacology and Therapeutics for a number of years. After a distinguished research career on the causes, consequences and treatment of hypertension, he turned his attention, in retirement, to the study of poisonous plants. This recently published book is the product of over ten years’ work on the subject and combines a broad knowledge of botany, chemistry, toxicology, pharmacology, therapeutics and medicine.

Plants have been known for their medicinal properties for many centuries. In mythology and tales of ancient times lie clues to their usage, and often the embellished claims of legend hold a grain of scientific truth. This book examines the history, folklore and medicinal uses of sixteen iconic plants and fungi, and the active substances that can be isolated from them. From notorious murders, accidental poisonings, possession by evil spirits and witches’ brews to drugs which have revolutionised modern medicine, this book explores the power of plants.

Through tales of exploration and exploitation, scandal and secrecy, hunters and the hunted, from Africa, China and the rainforests of South America to Edinburgh and scientific work which changed the world, the author demonstrates how tradition and legend were replaced with clinical trials and modern scientific analysis. At the centre of all this lie the plants and their ability to heal and to kill.
Forth Bridge riveter on loan to ICE Scotland Museum

An original Victorian hydraulic riveting machine, which was used in the construction of the Forth Bridge, was unveiled at the Institution of Civil Engineers’ (ICE) Scotland Museum at Heriot-Watt University on Friday 27 March 2015.

The ‘portable’ riveter (pictured right), which weighs a quarter of a tonne and is thought to date from around 1887, has been generously loaned by York’s National Railway Museum and specially transported to Edinburgh for display, starting in the month of the 125th Anniversary of the opening of the Forth Bridge.

Professor Paul W. Jowitt CBE FRSE (left), former ICE President and past Chair of ICE Scotland, unveiled the riveter. He said: The riveter makes for an iconic display, providing an instructive and exclusive insight into the extraordinary achievement of the construction of the world’s greatest bridge in 1890.

Professor Roland Paxton MBE FRSE (right), Chairman of ICE Scotland Museum, added: This magnificent structure was all the more remarkable when one considers that the execution of the Forth Bridge was by means of labour-intensive Victorian technology, before the development of electricity, welding and other improvements in engineering and production techniques.

Invented by William Arrol & Company, the riveter is believed to have been employed at the bridge using water power to squeeze into place, at ‘yellow heat’, some of its 6,500,000 rivets.

The riveter display, with an explanatory broadsheet, was fabricated at the workshop of the University’s School of Energy, Geoscience, Infrastructure and Society.

The Forth Bridge was designed by Sir John Fowler and Sir Benjamin Baker who pioneered the balanced cantilever design adopted which allowed the bridge’s loading to be distributed throughout the mammoth structure to achieve two span lengths, exceeding that of the 1883 world record Brooklyn Suspension Bridge. The Forth Bridge’s record span lengths held for a remarkably long period and its volume of masonry and steel exceeded anything that had gone before or since in a single bridge.

The official opening of the Bridge took place on 4 March 1890. The 125th Anniversary was marked by a flypast by a Spitfire and an RAF Typhoon, to commemorate the ‘Forth Bridge Raid’ – the location of the first German air attack during the Second World War.

To find out about where to view the riveter, visit: web.sbe.hw.ac.uk/ICE_Museum/faq.htm
Matthew Forster Heddle FRSE (1828–97)

A new biography of this renowned academic, and one of Scotland’s most famous mineralologists, has just been published.

Heddle’s book *The Mineralogy of Scotland* (published posthumously in 1901) is still the classic work on the subject. Both a mineral (Mattheddleite) and a fossil fish (Heddleichthys) were named after him, and his huge collection of minerals (5700 specimens) is held by National Museums Scotland. He was also a keen mountaineer, and his mountaineering record was admired by Sir Hugh Munro (Heddle was almost the first ‘Munroist’).

Heddle was awarded the RSE’s prestigious Keith Prize “for the best scientific communication to the Society” (1875–77) and his eight Chapters on the Mineralogy of Scotland were published in successive volumes of the RSE’s *Transactions* between 1876 and 1897.

Published by NMS Enterprises Limited: Publishing, this account of Heddle’s life is written by his great-great-grandson, Hamish Johnston, and provides a much fuller picture of him than anything that has appeared before; presenting Heddle’s life (both personal and professional) against the historical, social, scientific and educational background of mid-to-late 19th-Century Scotland.

ISBN: 978 1 905267 98 9; £14.99
http://shop.nms.ac.uk/products/Matthew-Forster-Heddle.html

Fellows Honoured

We offer our congratulations to our Fellows who recently have been honoured in the following ways:

A number of our Fellows have recently been elected to other national academies:

**Royal Society**
Professor Allan Balmain,
Barbara Bass Bakar Distinguished Professor of Cancer Genetics,
University of California, San Francisco

Professor Andrew Peter MacKenzie,
Director, Physics of Quantum Materials,
Max Planck Institute for Chemical Physics of Solids

Professor Andrew Fraser Read,
Evan Pugh Professor of Biology and Entomology,
The Pennsylvania State University

**Academy of Medical Sciences**
Professor Andrew Howard Baker,
BHF Professor of Translational Cardiovascular Sciences,
University of Glasgow

Professor Neil Gow,
Director of Research and Commercialisation, College of Life Sciences and Medicine, University of Aberdeen

Professor Seth Grant,
Professor of Molecular Neuroscience,
University of Edinburgh

Professor John McMurray,
Professor of Medical Cardiology, University of Glasgow

Professor Massimo Palmarini,
Director, MRC - University of Glasgow Centre for Virus Research, University of Glasgow

Professor Aziz Sheikh OBE,
Professor of Primary Care Research & Development,
University of Edinburgh

**Learned Society of Wales**
Professor Richard Kenway OBE,
Tait Professor of Mathematical Physics,
University of Edinburgh
The Queen’s Birthday Honours List 2015

Knights Bachelor

Professor Peter Downes OBE
Principal and Vice-Chancellor, University of Dundee
For services to higher education and life sciences. (1)

Dr James Macmillan CBE
Composer
For services to music. (2)

Order of the British Empire, Dame Commander (DBE)

Professor Victoria Bruce OBE FBA
Vice-Principal, Newcastle University
For services to higher education and psychology. (3)

Ms Frances Cairncross CBE
Former Rector, Exeter College, University of Oxford
For services to higher education and economics. (4)

Order of the British Empire, Commander (CBE)

Professor Anne Glover CBE
Vice-Principal, External Affairs & Dean for Europe, University of Aberdeen
For services to science. (5)

Order of the British Empire, Officer (OBE)

Professor John Beath
Emeritus Professor of Economics, University of St Andrews
For services to economics. (7)
**New Fellows’ Induction 2015**

Newly-elected Fellows were welcomed to the RSE on 25 May at the annual Induction Day, attended by 40 of the 57 Fellows elected in March. Following an informative and enjoyable day of introductions to the RSE, its Council, Fellows and staff, there was an official Admission Ceremony. The day concluded with a Reception for the new Fellows and their guests. The full list of new Fellows, as well as photographs from the day, can be viewed at: www.royalsoced.org.uk/1168_2015ElectedFellows.html

Eight Corresponding Fellows [those who have achieved high international standing and who are not normally resident in the UK] were elected this year, including; Dr Connie Eaves (above right); Professor Zihe Rao (right); and Professor Bojie Fu (left, 2nd from left), with Professor Donald Davidson FRSE, who read Professor Fu’s citation, and their wives.

Professor Ineke de Moortel (left) is the first member of the RSE Young Academy of Scotland to become a Fellow of the RSE.

Writer, Ian Rankin OBE is a new Fellow this year and is pictured (above right) with Sir Tom Farmer, who joined the Fellowship in 2009.

New Fellows, (l–r) Clare Blackburn, David Gray and Michael Jaspers enjoy the sunshine outside (right) before the Ceremony.

Professor Aziz Sheikh OBE was joined by his family at the Ceremony and the Reception (left, 2nd from right); as was Professor Niamh Nic Daeid (right, 2nd from right).