



The Royal Academy  
of Engineering

# International Activities

A National Academy with a Global Outlook



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## A National Academy with a Global Outlook

The Royal Academy of Engineering is the UK's national academy for engineering and technology. As such, it seeks to use its leadership position to strengthen the contribution of UK engineering to sustainable wealth creation and quality of life. Despite its national remit, achievement of the Academy's objectives requires a global outlook. Engineering research, practice and markets rely on transnational flows of goods, services, knowledge and people, and engineers have essential roles to play in addressing the world's most pressing challenges, including climate change, global poverty and international security.

The Academy's *International Strategy 2007-2010* sets out the vision for the Academy's international activities and the roadmap for achieving it.

**International policy** The Academy provides expert input on key international policy issues: it responds to consultations, hosts meetings to stimulate debate, and undertakes proactive studies. It is a member of the Global Science and Innovation Forum and a variety of international stakeholder groups hosted by the Government, Research Councils and others.

**Bilateral relations** The Academy cooperates with sister academies overseas through joint workshops and seminars and international missions and exchanges.

**Engineering capacity building** The Academy is working with partners in the UK and Africa to establish a new engineering capacity building programme: The Africa-UK Engineering for Development Partnership.

**European engagement** The Academy is strengthening its ability to influence key stakeholders on European matters by developing relationships with strategic contacts and identifying priority European policy areas in which the Academy is well placed to make an impact.

**CAETS and Euro-CASE** The Academy is a founder member of, and active participant in, the International Council of Academies of Engineering and Technological Sciences (CAETS), and its European counterpart, the European Council of Applied Sciences, Technologies and Engineering (Euro-CASE).

**International research support** The Academy's **Research Exchanges with China and India** scheme helps develop networks of excellence between the UK and China/India.

The **Newton International Fellowships** - a scheme delivered in partnership with the British Academy, Royal Society and Research Councils UK - brings the best early career researchers from around the world to the UK for two years. Follow on funding is provided for a further ten years to enable Newton Fellows to maintain links with the UK.

Other international schemes include **Distinguished Visiting Fellowships** and **Global Research Awards**.

**International Fellows** The heart of the Academy is its elected Fellowship. Many UK Fellows have extensive international networks and the Academy also elects a smaller number of International Fellows: engineers from overseas whose achievements are internationally recognised. International Fellows play an important role in facilitating the Academy's international engagement.

**ERA International Lecture** This flagship annual lecture sponsored by the ERA Foundation brings a global leader from the field of engineering, business or politics to speak to an invited audience in the UK. Previous speakers include Dr Craig Barrett, Chairman, Intel Corporation; and Dr R K Pachauri, Chairman, Intergovernmental Panel on Climate Change.

**International Medal** The International Medal is awarded occasionally to an individual, resident outside of the EU, for outstanding and sustained personal achievement in the broad field of engineering.

For more information, please visit our website:  
**[www.raeng.org.uk/international](http://www.raeng.org.uk/international)**



# The Royal Academy of Engineering

As Britain's national academy for engineering, we bring together the country's most eminent engineers from all disciplines to promote excellence in the science, art and practice of engineering. Our strategic priorities are to enhance the UK's engineering capabilities, to celebrate excellence and inspire the next generation, and to lead debate by guiding informed thinking and influencing public policy.

The Academy's work programmes are driven by three strategic priorities, each of which provides a key contribution to a strong and vibrant engineering sector and to the health and wealth of society.

## Enhancing national capabilities

As a priority, we encourage, support and facilitate links between academia and industry. Through targeted national and international programmes, we enhance – and reflect abroad – the UK's performance in the application of science, technology transfer, and the promotion and exploitation of innovation. We support high quality engineering research, encourage an interdisciplinary ethos, facilitate international exchange and provide a means of determining and disseminating best practice. In particular, our activities focus on complex and multidisciplinary areas of rapid development.

## Recognising excellence and inspiring the next generation

Excellence breeds excellence. We celebrate engineering excellence and use it to inspire, support and challenge tomorrow's engineering leaders. We focus our initiatives to develop excellence and, through creative and collaborative activity, we demonstrate to the young, and those who influence them, the relevance of engineering to society.

## Leading debate

Using the leadership and expertise of our Fellowship, we guide informed thinking, influence public policy making, provide a forum for the mutual exchange of ideas, and pursue effective engagement with society on matters within our competence. The Academy advocates progressive, forward-looking solutions based on impartial advice and quality foundations, and works to enhance appreciation of the positive role of engineering and its contribution to the economic strength of the nation.



The Royal Academy of Engineering promotes excellence in the science, art and practice of engineering.

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