



The Royal Academy
of Engineering

The Royal Academy of Engineering
Panel for Biomedical Engineering

Engineering innovation in the NHS

Tuesday 15 November 2011

Venue:
The Academy of Medical Sciences
41 Portland Place
London W1B 1QH



The Royal Academy of Engineering Panel for Biomedical Engineering

Engineering innovation in the NHS

Modern medicine and healthcare rely heavily on engineering to deliver improved prevention, diagnosis and treatment of illness. Engineering innovation is vital to the delivery of effective and efficient health services to patients.

On November 15, The Royal Academy of Engineering will host a one-day conference that will address the key challenges and solutions of introducing new technologies to the NHS. Chaired by Dr Geoff Watts FMedSci, Writer and Broadcaster, the conference will address the topic of innovation from the perspective of the clinician, manager, supplier, researcher and regulator.

Agenda

09:30am Guests arrive. Tea and coffee served

10:00am **Welcome from Chair**

Chaired by Dr Geoff Watts FMedSci, Writer and Broadcaster

10:10am **Opening address**

Christine Glover, Council Member, College of Medicine

Engineering innovation in the NHS: harnessing the potential

10:40am **The ageing population: can engineering support healthcare in later life?**

Professor Roger Orpwood, Department for Health, University of Bath

11:10am **Innovation in healthcare: a global perspective**

Andrew Thompson, CEO, Proteus Biomedical

11:40am Tea and coffee served

Engineering innovation in the NHS: understanding the drivers

12:00pm **The returns on innovation: what the NHS needs**

Jim Easton, Director for Improvement and Efficiency, Department of Health

12:30pm **Addressing the challenges; designing solutions**

Professor Shervanthi Homer-Vanniasinkam FRCS, Consultant Vascular Surgeon and Professor of Translational Vascular Medicine, Leeds Vascular Institute & Leeds Institute of Genetics, Health and Therapeutics (LIGHT)

1:00pm Lunch

Engineering innovation in the NHS: perspectives on the future

2:00pm **Panel Discussion**

Where are we now, how far have we come and what's next?

Professor David Kerr CBE, FMedSci, Rhodes Professor of Clinical Pharmacology and Cancer Therapeutics, University of Oxford

Professor Daniel Steenstra, The Royal Academy of Engineering Visiting Professor in Innovation, Cranfield University

Dr Susan Ludgate, Clinical Director, Medicines and Healthcare products Regulatory Agency (MHRA)

3:00pm Tea and coffee served

3:15pm **The future and value of innovation in the NHS**

Mirella Marlow, Programme Director, Devices and Diagnostics, National Institute for Health and Clinical Excellence (NICE)

3:45pm **Patients as consumers of healthcare – the role of innovation in self-care and self-management**

Professor Lionel Tarassenko FEng, Director, Institute of Biomedical Engineering, University of Oxford

4:20pm **Summary by the Chair**

4:30pm Close of conference followed by reception

Registration:

If you wish to attend, please reply to execservices@raeng.org.uk giving your name, job title, organisation and contact details along with any dietary requirements.

Please note:

Attendance is by invitation only. The conference and lunch are free of charge but pre-registration is essential.

Please reply to: Executive Services

The Royal Academy of Engineering

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The Royal Academy of Engineering

As the UK's national academy for engineering, we bring together the most successful and talented engineers from across the engineering sectors for a shared purpose: to advance and promote excellence in engineering. We provide analysis and policy support to promote the UK's role as a great place from which to do business. We take a lead on engineering education and we invest in the UK's world class research base to underpin innovation. We work to improve public awareness and understanding of engineering. We are a national academy with a global outlook and use our international partnerships to ensure that the UK benefits from international networks, expertise and investment.

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

Drive faster and more balanced economic growth

The strategic challenge is to improve the capacity of UK entrepreneurs and enterprises to create innovative products and services, increase wealth and employment and rebalance the economy in favour of productive industry.

Lead the profession

The strategic challenge is to harness the collective expertise, energy and capacity of the engineering profession to enhance the UK's economic and social development.

Foster better education and skills

The strategic challenge is to create a system of engineering education and training that satisfies the aspirations of young people while delivering the high calibre engineers and technicians that businesses need.

Promote engineering at the heart of society

The strategic challenge is to improve public understanding of engineering, increase awareness of how engineering impacts on lives and increase public recognition for our most talented engineers.



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

Registered charity number 293074

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