



Engineering Professors' Council: Congress2013

Engineering in Higher Education: investing for impact

Programme: Tuesday 16th April, 2013

09:00 Coffee and registration (**Ground Floor, Portland Building Atrium**)
10:00 Opening and welcome: **Professor John Craven**, Vice-Chancellor, University of Portsmouth
Professor Djamel Ait-Boudaoud, Dean of the Faculty of Technology, University of Portsmouth and Congress Convenor

Session 1 Venue: Portland Lecture Theatre 1.53 **Chaired by:** Professor David Barton, University of Leeds

10:20 Next steps for UK research funding policy: **Dr Graeme Reid**, Head of Research Funding, Department for Business, Innovation and Skills
10:50 Implementing the Wilson Review: **Professor Helen Higson OBE**, Deputy Vice-Chancellor, Aston University
11:20 **COFFEE (Ground Floor, Portland Building Atrium)**
11:35 **Dr Allyson Reed**, Director of Corporate Relations, University of Warwick
12:05 Opportunities for support of international research collaborations: **Jane Nicholson**, Head of International Policy, Engineering and Physical Sciences Research Council (EPSRC)
12:30 Influencing the influencers: **Beck Smith**, Acting Director, Campaign for Science and Engineering
13:00 **LUNCH (Ground Floor, Portland Building Atrium)**

Session 2 Venue: Portland rooms 1.20, 1.21, 1.26 **Chaired by:** Professor Phil Bowen, University of Cardiff

13:45 **Choice of Workshop session**
Workshop A: What makes a good impact case study, Led by: **Dr Rebecca Steliaros**, Independent Consultant
Workshop B: Managing change, Led by **Simon Hall**, New World Value Creation Catalysts
Workshop C: Developing financial sustainability in high cost subjects, Led by **David Reeves**, Faculty Finance Officer, Imperial College
15:00 **An audience with...(Venue: Portland Lecture Theatre 1.53)**
Kate Bellingham, former presenter of *Tomorrow's World* and active STEM advocate interviews
Paul Westbury FEng CBE, CEO of Buro Happold
15:45 **TEA (Ground Floor, Portland Building Atrium)**
16:00 Engineering Professors' Council Annual General Meeting (**Venue: Portland Lecture Theatre 1.53**)
18:00 **Public Lecture (Venue: LT1, Richmond Building)**
The importance of communicating science and engineering in the 21st century : **Professor Jim Al-Khalili**

"Our economic quagmire needs scientists, mathematicians and engineers to get us moving once more..."

James Dyson, The Times 20 August, 2012

"Government... faces numerous competing demands for public funding. For some of these... the economic and other benefits perhaps seem to be more immediate and obvious. Nevertheless, as we shall demonstrate, there is now an extensive body of study on the economic and social benefits of publicly funded research, and we can begin to see some of the benefits that accrue..."

From: "The benefits from publicly funded research" Ben R. Martin & Puay Tang. June 2007, Science Policy Research Unit, University of Sussex

"The importance of engineering to the world is often overlooked. It is engineering in all of its many and varied forms that enables the world to work. We engineers are our own worst enemies – too busy delivering solutions to talk about them !"

Paul Westbury FEng, CBE, Chief Executive, Buro Happold.

Evening activities venue: The Spinnaker Tower

19:15 Pre dinner Reception, speaker:
Andrew Miller MP, Chair of Parliamentary and Scientific Committee

20:00 Dinner. After-dinner speaker:
Sir Michael Moore





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09:00

Coffee and registration (**Ground Floor, Portland Building Atrium**)

Session 3

Venue: Portland Lecture Theatre 1.53 **Chaired by:** Dr Colin Turner, University of Ulster

09:45

The importance of inspiring the next generation of engineers/STEM Ambassadors:

Kirsten Bodley, Chief Executive STEMNET

10:15

Future funding of strategic and vulnerable subjects and Master's programmes:

Elisabeth Edwards, Senior Policy Adviser, Higher Education Funding Council for England (HEFCE)

10:45

COFFEE (Ground Floor, Portland Building Atrium)

11:00

Establishing an engineering policy think-tank: **Professor Brian Collins**, University College London

11:30

Choice of Workshop session in Portland Rooms 1.20, 1.21 and 1.26

Workshop A: Relationship between accreditation and innovation in the engineering curriculum

Led by: **Dr John Mitchell**, University College London

Workshop B: Overcoming barriers in business-university partnerships

Led by: **Luke Lyons**, Director, Business-University Partnerships

Workshop C: Going Global – Supporting Academics and Universities to incorporate the Global Dimension into Engineering Education

Led by: **Alistair Cook**, Engineers Without Borders

13:00

LUNCH (Ground Floor, Portland Building Atrium)

Session 4

Venue: Portland Lecture Theatre 1.53 **Chaired by:** Professor Mike Bramhall, Sheffield Hallam University

14:00

Establishing the National Centre for Universities and Business:

Aaron Porter, the Council for Industry and Higher Education

14:30

An innovation-led partnership: **Keith Attwood**, CEO e2v technologies and Chair of CBI's Education and Skills Panel

15:00

The impact of the Wilson Review into university-business collaboration:

Professor Cliff Hardcastle, Deputy Vice-Chancellor, Research and Enterprise, Teesside University

15:30

Feedback and close: **Professor Djamel Ait-Boudaoud**, Congress Convenor

[...surveys and case studies show] seven distinct mechanisms or 'channels' through which benefits of publicly funded research and education flow into the economy and society:

- increase in the stock of useful knowledge
- supply of skilled graduates and researchers
- creation of new scientific instrumentation and methodologies
- development of networks and stimulation of social interaction
- enhancement of problem-solving capacity
- creation of new firms
- provision of social knowledge

From: "The benefits from publicly funded research" Ben R. Martin & Puay Tang. June 2007, Science Policy Research Unit, University of Sussex

"All we know about the new economic world tells us that nations which train engineers will prevail over those which train lawyers. No nation has ever sued its way to greatness." Richard Lamm, Co-Director, Institute for Public Policy Studies, University of Denver

