

# Workshop on Innovation in the Engineering Curriculum

## John Mitchell

UCL Engineering  
University College London  
Torrington Place, London, WC1E 7JE  
j.mitchell@ucl.ac.uk  
<http://www.engineering.ucl.ac.uk>

### Abstract

Over the past decade a series of reports have highlighted the need for a change in engineering education to ensure that graduates leave universities best equipped for the complex interdisciplinary challenges of the 21<sup>st</sup> century. A number of institutions are addressing the issues involved but challenges remain, progress has been slow and there is much to be done. This workshop will bring together academics and others stakeholders, such as the professional bodies who are engaging with the engineering curriculum and promoting innovation and change within their institutions. It will aim to explore how innovation in the engineering curriculum could be better supported. For example what are the perceived roadblocks to curriculum innovation and what can be done to overcome them? The Engineering Council's accreditation criteria enable the development of a variety of diverse provision. How could the community or academics and professional bodies further support innovation and accelerate change and innovation? The workshop will aim to form the starting point of a further debate on how the engineering education community can promote innovation with a list of recommendations for further action.

### Keywords

Engineering, Curriculum Development, Institutional Change, accreditation

### Plans for participants

The session will begin with a set of short presentations from a panel including:

**Professor Matthew Harrison**, Director, Engineering and Education, The Royal Academy of Engineering

**Dr Caroline Sudworth**, Education and Skills Senior Executive, Engineering Council

**Dan Canty**, Accreditation & Awards Manager, Institution of Engineering and Technology

**Dr Kate Sugden**, School of Engineering and Applied Science, Aston University

The audience will then be invited to discuss the issues raised in small groups to form the basis of an open discussion on how curriculum innovation can be better supported in engineering. The discussion will seek to draw out a set of key recommendations for position action to be put to the HEA, Professional Institutions and other stakeholders.