

# Turning Science and Technology Green: Sustainable Development and Engineering Education

Professor Andrew Jamison, Aalborg University

Thursday, 27 October 2011

4:00 to 5:30 pm

University Place 2.219

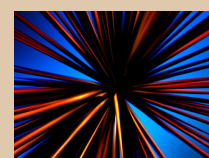
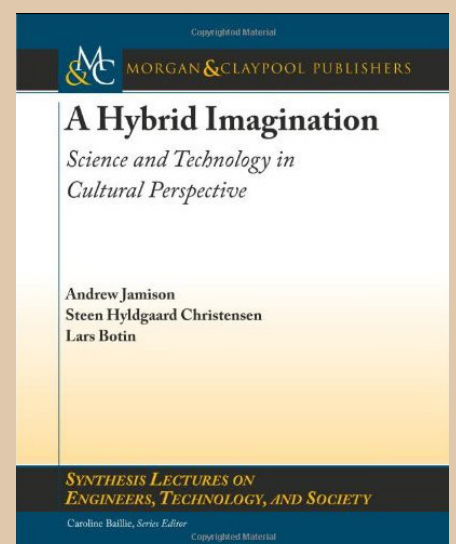
The University of Manchester

There are three very different sorts of challenges facing science and engineering in the world today. On the one hand, there is what is often referred to as the sustainability challenge, or the overarching need for scientists and engineers – as well as for humanity in general - to relate to the problems brought to light in the debates about environmental protection, resource exploitation, and climate change. On the other hand, there are the challenges stemming from what has been characterized as “technoscience”: the mixing in many fields of contemporary science and engineering of what has historically been termed science and what has historically been termed technology. And finally there are the various societal challenges, and a need for socio-technical competencies and a sense of social responsibility on the part of scientists and engineers, due to the permeation of science and technology into ever more areas of our economies, our societies, and our everyday lives.

This presentation distinguishes between three ideal-typical educational strategies that have been developed to meet these challenges: a market-oriented strategy of “green business”, an academic-oriented strategy of “sustainability science and research” and a hybrid strategy of “green engineering”. It draws upon the recently published book, *A Hybrid Imagination: Science and Technology in Cultural Perspective* (Morgan & Claypool 2011). As opposed to the “story-lines” of economic innovation and social construction that tend to dominate both the popular and scholarly literature on science, technology and society (or STS), the book offers an alternative approach, devoting special attention to the role played by social and cultural movements in the making of science and technology.

Andrew Jamison is professor of technology, environment and society in the Department of Development and Planning at Aalborg University. He has published widely in the fields of science and technology policy, social movements and environmental politics. For more information on Prof Jamison, see <http://people.plan.aau.dk/~andy/>

This event is hosted by the Manchester Architecture Research Centre. No reservation required. Contact: [andrew.karvonen@manchester.ac.uk](mailto:andrew.karvonen@manchester.ac.uk)



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