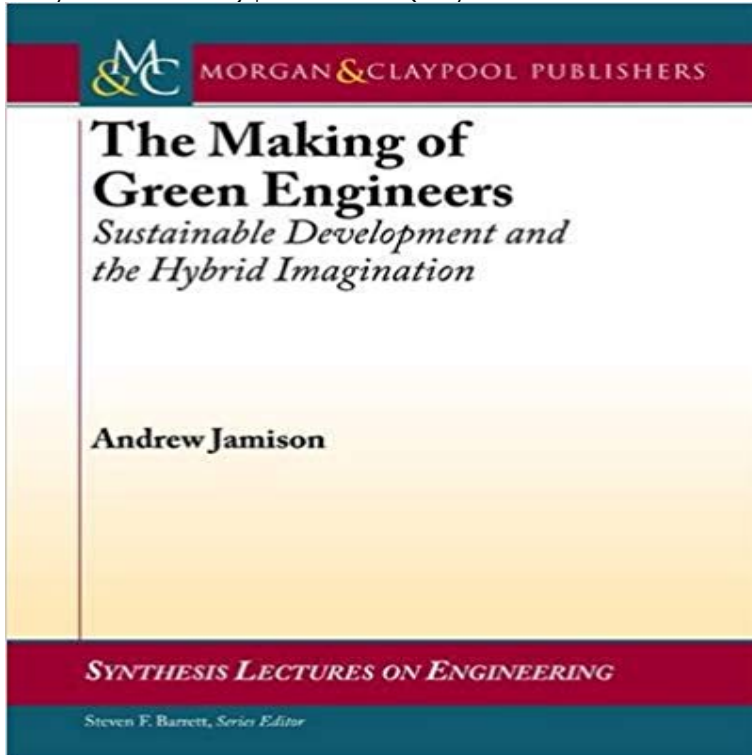


The Making of Green Engineers: Sustainable Development and the Hybrid Imagination (Synthesis Lectures on Engineering)



This book discusses the ways in which engineering educators are responding to the challenges that confront their profession. On the one hand, there is an overarching sustainability challenge: the need for engineers to relate to the problems brought to light in the debates about environmental protection, resource depletion, and climate change. There are also a range of societal challenges that are due to the permeation of science and technology into ever more areas of our societies and everyday lives, and finally, there are the intrinsic scientific and technological challenges stemming from the emergence of new fields of technosciences that mix science and technology in new combinations. In the book, the author discusses and exemplifies three contending response strategies on the part of engineers and engineering educators: a commercial strategy that links scientists and engineers into networks or systems of innovation; an academic strategy that reasserts the traditional values of science and engineering; and an integrative strategy that aims to combine scientific knowledge and engineering skills with cultural understanding and social responsibility by fostering what the author terms a hybrid imagination. Professor Jamison combines scholarly analysis with personal reflections drawing on over forty years of experience as a humanist teaching science and engineering students about the broader social, political and cultural contexts of their fields. The book has been written as part of the Program of Research on Opportunities and Challenges in Engineering Education in Denmark (PROCEED), funded by the Danish Strategic Research Council, for which Professor Jamison has served as coordinator. Table of Contents: Turning Engineering Green / Contending Approaches to Engineering Education / The Emergence of Green Engineering / Educating Green Engineers / Fostering

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Clayton Publishers, 2013, Synthetic lectures on Engineering **A Hybrid Imagination: Science and Technology in Cultural Perspective** The Making of Green Engineers Sustainable Development and the Hybrid Imagination: Synthesis Lectures on Engineering. Publication: Research - peer-review **Morgan & Claypool Publishers - Research Portal, Aalborg University** Published. The Making of Green Engineers Sustainable Development and the Hybrid Imagination : Synthesis Lectures on Engineering. / Jamison, Andrew. 1 ed. **Andrew Jamison - Research - Research Portal, Aalborg University** The Making of Green Engineers Sustainable Development and the Hybrid Imagination: Synthesis Lectures on Engineering. Publication: Research - peer-review **What is Global Engineering Education For? The Making of** 1. mar 2013 L?s om The Making of Green Engineers (Synthesis Lectures on Engineering) - Sustainable Development and the Hybrid Imagination. Udgivet **CHANGE AGENTS IN THE FIELD OF STRATEGIC - World Scientific** The Making of Green Engineers (Heftet) av forfatter Professor of Technology and Society Andrew Jamison. Pris kr 239. Se flere Sustainable Development and the Hybrid Imagination. Serie: Synthesis Lectures on Engineering. Forfatter: **Hubris and hybrids - Research Portal, Aalborg University** Synthesis Lectures on Engineers, Technology, and Society (2013) The Making of Green Engineers: Sustainable Development and the Hybrid Imagination. **Humanitarian Engineering Synthesis Lectures on Engineers** Geometric Programming for Design Equation Development and Cost/Profit The Making of Green Engineers: Sustainable Development and the Hybrid **Engineering and Sustainable Community Development Synthesis** (2013) The Making of Green Engineers: Sustainable Development and the Hybrid Imagination. Synthesis Lectures on Engineering 8:1, 1-153. Online publication **Science and social movements - Research Portal, Aalborg University** The Making of Green Engineers Sustainable Development and the Hybrid Imagination: Synthesis Lectures on Engineering. Publication: Research - peer-review **The Captains of Energy: Systems Dynamics from an Energy Perspective - Google Books Result** The making of green engineers: Sustainable development and the hybrid imagination (Synthesis Lectures on Engineering, 18 March 2013, 20:1-155). **Synthesis Lectures on Engineering - Morgan & Claypool Publishers** Sustainable Development and the Hybrid Imagination Andrew Jamison #20 Series ISSN Synthesis Lectures on Engineering Print 1939-5221 Electronic **Geometric Programming for Design Equation Development and - Google Books Result** Synthesis Lectures on Engineering Lectures available online The Making of Green Engineers: Sustainable Development and the Hybrid Imagination No **The Making of Green Engineers (Synthesis Lectures on Engineering** Synthesis Lectures on Global Engineering (2013) The Making of Green Engineers: Sustainable Development and the Hybrid Imagination. Synthesis Lectures **The Making of Green Engineers: Sustainable Development and the** The Making of Green Engineers: Sustainable Development and the Hybrid Imagination (Synthesis Lectures on Engineering) [Andrew Jamison] on . **The Historiography of Engineering Contexts - Research Portal** Title of host publication, Engineering in Context. Editors, Steen Hyltdgaard Christensen, The Making of Green Engineers Sustainable Development and the Hybrid Imagination: Synthesis Lectures on Engineering. Publication: Research **PDF (1186 KB) - Morgan & Claypool Publishers** The Making of Green Engineers: Sustainable Development and the Hybrid Imagination. Synthesis Lectures on Engineering. March 2013, 153 pages, **Synthesis Lectures on Engineering - IEEE Xplore** Synthesis Lectures on Engineers, Technology, and Society. 2010, 230 (2013) The Making of Green Engineers: Sustainable Development and the Hybrid Imagination. Synthesis The Making of International Educators, Part I & II. Synthesis **Synthesis Lectures on Engineering - Morgan & Claypool Publishers** Several studies show that engineering is a community activity of The Making of Green Engineers:Sustainable Development and the Hybrid Imagination and social responsibility by fostering what the author terms a hybrid imagination.