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The Making of Green Engineers: Sustainable Development and the Hybrid Imagination (Paperback)

By Andrew Jamison

Morgan Claypool Publishers, United States, 2013. Paperback. Condition: New. Language: English . Brand New Book. 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...



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