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Titolo	New Developments in Engineering Education for Sustainable Development // edited by Walter Leal Filho, Susan Nesbit
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ISBN	3-319-32933-2
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (IX, 321 p. 41 illus., 32 illus. in color.)
Collana	World Sustainability Series, , 2199-7373
Disciplina	338.927
Soggetti	Sustainable development Technical education Engineering—Vocational guidance Sustainable Development Engineering/Technology Education Job Careers in Science and Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"On the morning of 10 June 2015, approximately 125 delegates gathered on the campus of the University of British Columbia in Vancouver, Canada to open the 7th International Conference on Engineering Education for Sustainable Development (EESD15)."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Comparing the Outcomes of Horizontal and Vertical Integration of Sustainability Content into Engineering Curricula Using Concept Maps -- A New Program in Sustainable Engineering: A Platform for Integrating Research and Service into the Classroom Through Global Engagement -- Implementing a Collaboration Activity in Construction Engineering Education -- Implementing a Collaboration Activity in Construction Engineering Education -- Development of a Case-based Teaching Module to Improve Student Understanding of Stakeholder Engagement Processes within Engineering Systems Design.
Sommario/riassunto	This book discusses essential approaches and methods in connection with engineering education for sustainable development. Prepared as a follow-up to the 2015 Engineering Education in Sustainable Development (EESD) Conference held in British Columbia, Canada, it offers the engineering community key information on the latest trends

and developments in this important field. Reflecting the need to address the links between formal and informal education, the scholars and professionals who contribute to this book show by means of case studies and projects how the goal of fostering sustainable development in the context of engineering education can be achieved. In particular, they discuss the need for restructuring teaching at engineering-focused institutions of higher education and provide practical examples of how to do so. The book places special emphasis on state-of-the-art descriptions of approaches, methods, initiatives and projects from around the world, illustrating the contribution of engineering and affiliated sciences to sustainable development in various contexts, and at an international scale.
