

1. Record Nr.	UNINA9910484259803321
Titolo	Engineering Solutions for Sustainability [[electronic resource] ] : Materials and Resources II // edited by Jeffrey W. Fergus, Brajendra Mishra, Dayan Anderson, Emily Allyn Sarver, Neale R. Neelameggham
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer , 2016
ISBN	3-319-48138-X
Descrizione fisica	1 online resource (IX, 278 p.)
Disciplina	620.11
Soggetti	Engineering Materials Sustainable development Materials science Materials Engineering Sustainable Development Characterization and Evaluation of Materials
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	With impending and burgeoning societal issues affecting both developed and emerging nations, the global engineering community has a responsibility and an opportunity to truly make a difference and contribute. The papers in this collection address what materials and resources are integral to meeting basic societal sustainability needs in critical areas of energy, transportation, housing, and recycling. Contributions focus on the engineering answers for cost-effective, sustainable pathways; the strategies for effective use of engineering solutions; and the role of the global engineering community. Authors share perspectives on the major engineering challenges that face our world today; identify, discuss, and prioritize engineering solution needs; and establish how these fit into developing global-demand pressures for materials and human resources.

