

1. Record Nr.	UNINA9910461760803321
Autore	Baillie Caroline
Titolo	Engineering and Social Justice [[electronic resource]] : In the University and Beyond
Pubbl/distr/stampa	Ashland, : Purdue University Press, 2014
ISBN	1-280-12852-6 97866613532404 1-61249-156-1
Descrizione fisica	1 online resource (222 p.)
Altri autori (Persone)	PawleyAlice L RileyDonna
Disciplina	174.962
Soggetti	TECHNOLOGY & ENGINEERING / Social Aspects Engineering ethics - Social aspects Engineering - Study and teaching Engineering Engineering & Applied Sciences Engineering - General Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	<p>""Cover""; ""Title""; ""Copyright""; ""Contents""; ""Foreword: Reflections on engineering and social justice in teaching, learning, and research Karl A. Smith""; ""Introduction: In the university and beyond Caroline Baillie, Alice L. Pawley, and Donna Riley""; ""Teaching and learning: Bringing social justice into the engineering classroom""; ""Chapter 1: Developing human-centered design practices and perspectives through service-learning Monica E. Cardella, Carla B. Zoltowski, and William C. Oakes""</p> <p>""Chapter 2: An ethnographic study of social justice themes in engineering education George D. Ricco and Matthew W. Ohland""</p> <p>Research: Developing projects and outcomes that promote social justice""; ""Chapter 3: What counts as a€œengineeringa€?: Toward a redefinition Alice L. Pawley""; ""Chapter 4: Waste for life: Socially just materials research Caroline Baillie""; ""Chapter 5: Turbulent fluid</p>

mechanics, high speed weapons, and the story of the Earth George Catalano"; ""Engagement: Serving local and global communities""
""Chapter 6: Community colleges, engineering, and social justice Lisa A. McLoughlin""""Chapter 7: Low socioeconomic status individuals: An invisible minority in engineering Michele L Strutz, Marisa K. Orr, and Matthew W. Ohland""; ""Chapter 8: Viewing access and persistence in engineering through a socioeconomic lens Matthew W. Ohland, Marisa K. Orr, Valerie Lundy-Wagner, Cindy P. Veenstra, and Russell A. Long""; ""Chapter 9: An alternative tour of Ford Hall: Service toward education and transformation Donna Riley""; ""Index""
