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Nota di contenuto	Improving minority student persistence: an institutional factors approach / Yvonne R. Hilton, Monica Gray -- Minority recruitment and retention among gifted students / Chandra A. Stallworth, Ken D. Thomas -- Engineering study abroad: high impact strategy for increasing access / Monica Gray, Connie Lundy -- Empowering women in STEM: embedding STEM in K-12 education / Gretchen Dietz [and 3 others] -- Developing a learning community of engineers through an honors first-year seminar / Melissa L. Johnson, Kristy Spear -- Engineering teams: supporting diversity in engineering education / Jennifer Loy, Simon Howell, Rae Cooper -- Addressing cultural and gender project bias: engaged learning for diverse student cohorts / Jennifer Loy, Rae Cooper -- Revisioning the Engineering Profession: How to Make It Happen! / Judith Gill, Mary Ayre, Julie Mills -- A globally focused, experiential educational system for STEM fields: measures for intentionally promoting diversity / Aaron Sakulich, Amy Peterson -- Diversifying engineering education: a transdisciplinary approach from RWTH Aachen University / Linda Steuer [and 3 others] -- Engineering pathways in a U.S. public institution of higher education: a strategy for fostering student diversity / Fabiola Ehlers-Zavala, Anthony

Maciejewski -- Getting off the engineering enrollment rollercoaster: interaction between academia and upstream petroleum industry / Tatyana Plaksina.

Sommario/riassunto

"[This book] is an essential reference work for the latest research on the need for diversity and inclusion within the engineering workforce and provides approaches to restructure engineering education to achieve this goal. Featuring expansive coverage on a broad range of topics including minority recruitment, experiential education systems, and study abroad programs, this book is ideally designed for students, professionals, academic advisors, and recruitment officers seeking current research on ways to diversify engineering education and careers"--Provided by publisher.
