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Nota di contenuto	Introduction -- Nurturing STEM Pathways on the Student's Perspective -- Enhancing Engineering Education from the Lecturer's Perspective -- Discussion and Conclusion.
Sommario/riassunto	<p>This book highlights the pivotal role that engineering education researchers can play at technical universities. By delving into both theoretical and practical aspects, it showcases the transformative potential of integrating rigorous educational research into technical education. The book begins by outlining the current landscape of engineering education research and situates it within the unique context of the Italian educational system. This initial framework sets the stage for a detailed examination of the scope and limitations of the field. By understanding the experiences and challenges of both students and educators, the book bridges gaps and fosters an environment where educational practices are continuously improved and aligned with real-world demands. One of the key problems addressed is the disconnection often observed between educational theory and practical implementation. It provides actionable insights and recommendations that can help harmonize teaching methods with educational research findings. It offers strategies for enhancing student engagement, improving teaching methodologies, and ultimately producing graduates who are better equipped to meet the challenges of the engineering profession. This book serves as a valuable resource for educators, researchers, and policymakers dedicated to advancing the quality of engineering education, and by presenting a balanced analysis of students' and lecturers' perspectives, it offers a holistic view of the educational landscape and practical solutions for its improvement. .</p>