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Nota di contenuto	Preliminary Material / Marc J. de Vries , Lena Gumaelius and Inga-Britt Skogh -- Pre-university Engineering Education / Marc J. de Vries , Lena Gumaelius and Inga-Britt Skogh -- A Philosophical Basis for Pre-university Engineering Education / Marc J. de Vries -- The Nature of Pre-university Engineering Education / Per Norström -- Pre-university Engineering Education in Germany / Gabriele Graube and Ingelore Mammes -- Characteristics of Pre-college Engineering Education in the United States / Greg Pearson -- Engineering Education for Elementary Students / Christine M. Cunningham -- Pre-university Engineering Education in New South Wales / Peter Thompson -- "Are They Ready?" / Lars Bo Henriksen -- PBL in the School System / Anette Kolmos -- Access, Inclusion, and Heterogeneity in Pre-university Engineering Education / Andrea K. Agree , Anna E. Faloon and Johannes Strobel -- Industry's Role in Pre-university Engineering Education / David Barlex -- Engineering Professional Societies and Pre-university Engineering Education / Elizabeth Parry , Pamela Lottero-Perdue and Stacy Klein-Gardner -- The Role of Engineers in Pre-university Education / Anne-Lotte Masson , Tanja Klop , Patricia Osseweijer and Marc J. de Vries -- Pre-university Engineering Education Research at a University of Technology / Lena Gumaelius and Inga-Britt Skogh.
Sommario/riassunto	Pre-university engineering education has become the topic of increasing interest in technology education circles. It can provide content for the E in STEM (Science, Technology, Engineering and

Mathematics) education, which is in the interest of technology educators at different educational levels as it builds the bridge between them and the science and mathematics educators. In this book goals for pre-university engineering education are explored as well as existing practices from a variety of countries. The coming years will show if pre-university engineering education will catch on. The trend towards STEM integrated education that today can be seen in many countries will certainly create a further need and stimulus for that to happen. Hopefully this book can contribute to such a development of both formal and informal K-12 engineering education. Not only for preparing the next generation of engineers, but also for the technological literacy of future citizens.
