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Sommario/riassunto

This book reports on cutting-edge research and technology aimed at increasing the efficiency of production processes and to foster the implementation of Industry 4.0 solutions in manufacturing. Gathering peer-review contributions to the 7th International Scientific Technical Conference MANUFACTURING 2022, held in Poznan, Poland on May 16-19, 2022, it describes advanced engineering methods to optimize different stages and aspects of the production process, including product design, production scheduling, equipment maintenance and safety. It discusses the applications of augmented/virtual and mixed reality within the manufacturing industry and for education and training purposes, and highlights cutting-edge solutions for green and sustainable production. Offering a timely, practice-oriented reference guide for both researchers and practitioners in manufacturing, this book is also intended to contribute bridging the gap between university and industry, fostering a closer communication and cooperation between them. .

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