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Sommario/riassunto

This book covers timely topics in quality engineering, with a special focuses on issues relating to Industry 4.0 and 5.0. Based on peer-reviewed contributions to the 8th International Scientific-Technical Conference MANUFACTURING 2024, held on May 14–16, 2024, in Poznan, Poland, the chapters describe advanced engineering methods for managing quality and risk at different stages of the product lifecycle. They discusses the role of the sustainable development aspect in supply chain, in the context of product and business planning, production, and transportation, and the principles and best practices of circular economy. They also highlight the role of the human factor in

Industry 5.0, and discuss educational issues. All in all, this book provides both researchers and practitioners with a timely guide on research in the broad area of quality engineering, covering human and environmental aspects of industrial production, and risk-based management methods.