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ISBN	9789811677755 9789811677748
Descrizione fisica	1 online resource (ix, 202 pages) : illustrations
Collana	Emerging trends in mechatronics, , 2731-4863
Disciplina	629.8312
Soggetti	Mechatronics Artificial intelligence Control theory Industrial engineering Automation Production engineering Artificial Intelligence Industrial Automation Industrial and Production Engineering
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Literature Review -- Methodology -- Result and Discussion -- Conclusion -- References -- Appendix.
Sommario/riassunto	This book provides an in-depth understanding of the fundamental scientific principles and technologies used in the design of modern computer-controlled machines and processes. It emphasizes the synergies in the design process and explores the challenges and opportunities for integrating diverse engineering disciplines. The book consists of six chapters that cover a wide range of topics related to mechatronics and control system engineering. Overall, the book is an excellent resource for professionals, engineers, researchers, and students who want to gain a comprehensive understanding of the trans-disciplinary field of mechatronics and control systems engineering.

