

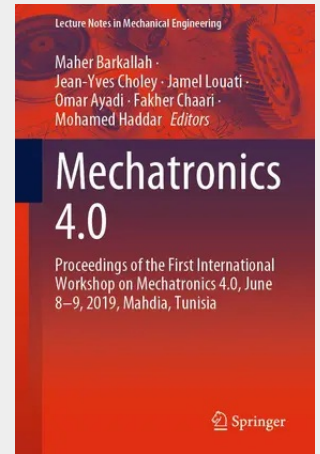
Mechatronics 4.0

Proceedings of the First International Workshop on Mechatronics 4.0, June 8-9, 2019, Mahdia, Tunisia

This book gathers original findings, both theoretical and experimental, related to various cutting-edge topics in the design and modeling of mechatronic systems, including multiphysics problems. It presents peer-reviewed papers from the first installment of the Mechatronics 4.0 workshop, which was jointly organized by the Laboratory of Mechanics, Modeling and Manufacturing (LA2MP), National School of Engineers of Sfax, Tunisia, and the QUARTZ Laboratory, Higher Institute of Mechanics of Paris, SUPMECA, France. The event follows in the tradition of the Workshop on Mechatronic Systems (JSM2014), organized by the same universities, while shifting the focus to the concept of Industry 4.0.

As this new type of industry is emerging as the convergence of the virtual world, digital design, and management with real-world products and objects, the chapters gathered here highlight recent work on mechatronics systems that are expected to help shape the industry of tomorrow. Thanks to a healthy balance of theory and practical findings, the book offers a timely snapshot for the research and industrial communities alike, as well as a bridge to facilitate communication and collaboration between the two groups.

This book gathers original findings, both theoretical and experimental, related to various cutting-edge topics in the design and modeling of mechatronic systems, including multiphysics problems. It presents peer-reviewed papers from the first installment of the Mechatronics 4.0 workshop, which was jointly organized by the Laboratory of Mechanics, Modeling and Manufacturing (LA2MP), National School of Engineers of Sfax, Tunisia, and the QUARTZ Laboratory, Higher Institute of Mechanics of Paris, SUPMECA, France. The event follows in the tradition of the Workshop on Mechatronic Systems (JSM2014), organized by the same universities, while shifting the focus to the concept of Industry 4.0. As this new type of industry is emerging as the convergence of the virtual world, digital design, and management with real-world products and objects, the chapters gathered here highlight recent work on mechatronics systems that are expected to help shape the industry of tomorrow. Thanks to a healthy balance of theory and practical findings, the book offers a timely snapshot for the research and industrial communities alike, as well as a bridge to facilitate communication and collaboration between the two groups.



106,99 €
99,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783030467289
Medium: Buch
ISBN: 978-3-030-46728-9
Verlag: Springer International Publishing
Erscheinungstermin: 31.05.2020
Sprache(n): Englisch
Auflage: 1. Auflage 2020
Serie: Lecture Notes in Mechanical Engineering
Produktform: Kartoniert
Gewicht: 254 g
Seiten: 152
Format (B x H): 155 x 235 mm

