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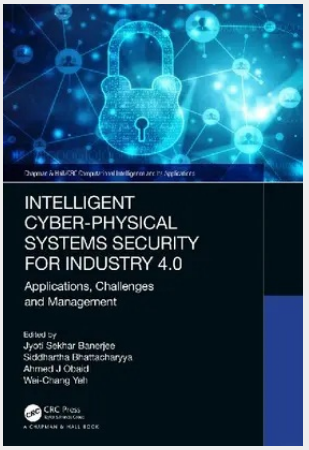
Intelligent Cyber-Physical Systems Security for Industry 4.0

Applications, Challenges and Management



147,50 €
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Intelligent Cyber-Physical Systems Security for Industry 4.0: Applications, Challenges and Management presents new cyber-physical security findings for Industry 4.0 using emerging technologies like artificial intelligence (with machine/deep learning), data mining, applied mathematics. All these are the essential components for processing data, recognizing patterns, modeling new techniques, and improving the advantages of data science. Features • Presents an integrated approach with Cyber-Physical Systems, CPS security, and Industry 4.0 in one place • Exposes the necessity of security initiatives, standards, security policies, and procedures in the context of industry 4.0 • Suggests solutions for enhancing the protection of 5G and the Internet of Things (IoT) security • Promotes how optimization or intelligent techniques envisage the role of artificial intelligence-machine/deep learning (AI-ML/DL) in cyberphysical systems security for industry 4.0 This book is primarily aimed at graduates, researchers and professionals working in the field of security. Executives concerned with security management, knowledge dissemination, information, and policy development for data and network security in different educational, government, and non-government organizations will also find this book useful.

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Artikelnummer: 9781032148342
Medium: Buch
ISBN: 978-1-032-14834-2
Verlag: Taylor & Francis Ltd
Erscheinungstermin: 16.12.2022
Sprache(n): Englisch
Auflage: 1. Auflage 2022
Serie: Chapman & Hall/CRC Computational Intelligence and Its Applications
Produktform: Gebunden
Gewicht: 664 g
Seiten: 284
Format (B x H): 184 x 260 mm

Kundenservice Verlag Dr. Otto Schmidt KG
Neumannstraße 10, 40235 Düsseldorf | kundenservice@otto-schmidt.de | 0221-93738-997 (Inland)