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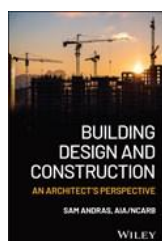
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In *Precision Medicine, AI and the Science of Personalized Healthcare,* senior researcher at Harvard Business School and former CEO of DecisionRx, a pioneering medication therapy opt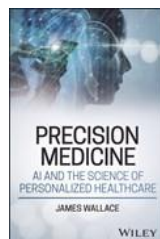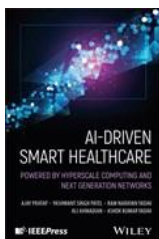imization company, James Wallace, delivers an eye-opening new discussion of how cutting-edge precision medicine is transforming the cost, access, and outcomes of modern healthcare. The author relies on real-world

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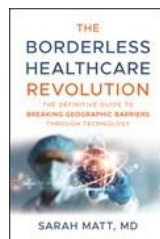
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Dr. Sarah Matt, MD

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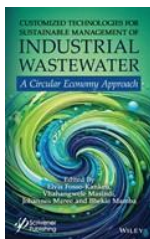
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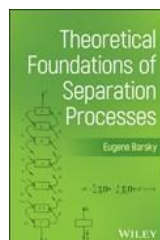
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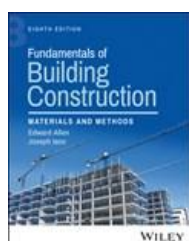The construction of buildings depends on the contributions of professionals from diverse fields, including architecture, construction management, civil and structural engineering, and more. All of these professionals, however, must understand the principles and materials that underlie the construction process in order to fulfil their roles in the project.

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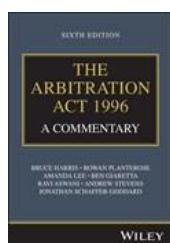
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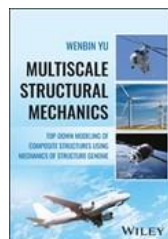1088 pages • Hardcover
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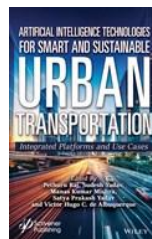
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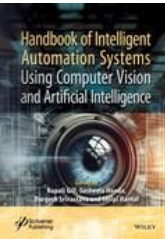
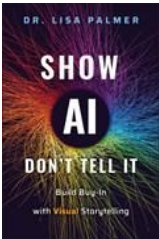R. Nidhya, D. Pavithra, S. Balamurugan, Manish Kumar, S. Karthik

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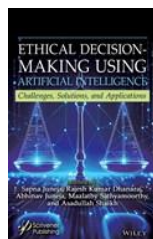
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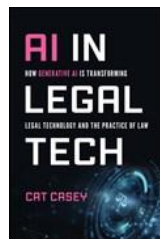
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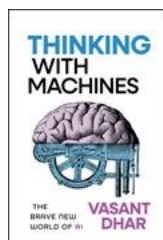
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Vasant Dhar

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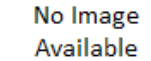
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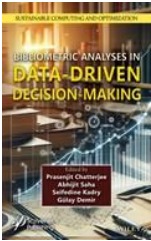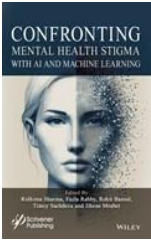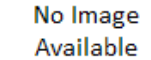
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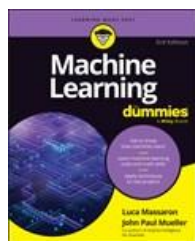
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Luca Massaron

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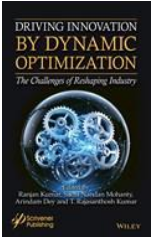
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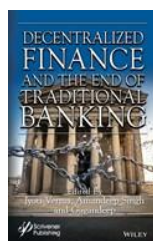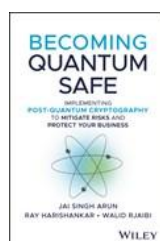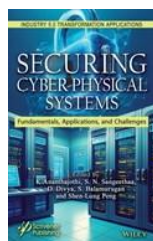9781394387649
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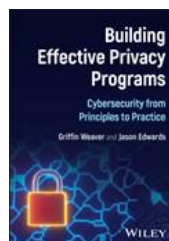
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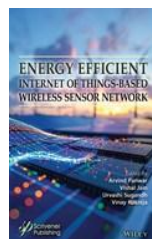
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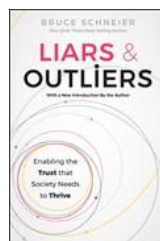
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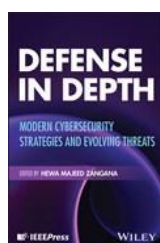
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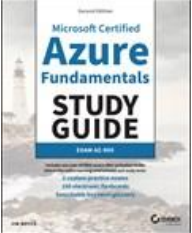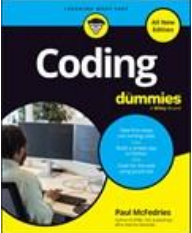
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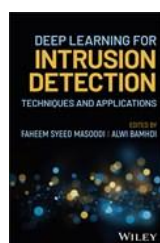
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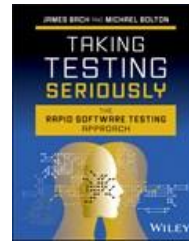
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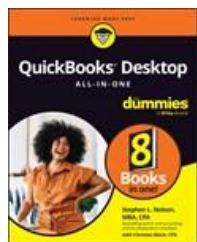
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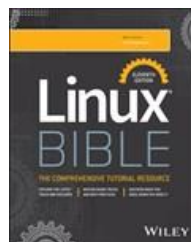
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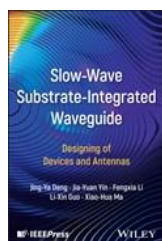### Antennas: Theory and Practical Design using Artificial Intelligence and Machine Learning

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Technical insights on the vital aspects of hardware and software components in modern wireless system design

Introduction to Wireless System Design from Circuits to Web-based Applications provides an introductory level overview for readers to acquire technical insights on the most important aspects of modern wireless system design from an industrial and practical perspective.

Various functional blocks of wireless systems and products are discussed and analyzed with practical examples of commercial products. Software development is addressed

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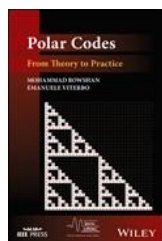
Polar Codes: From Theory to Practice

Mohammad Rowshan, Emanuele Viterbo

Understand a cutting-edge new class of error correction codes with this introduction

Channel coding is a pivotal technique employed to account for potential errors due to channel noise or interference by adding layers of redundancy to information prior to transmission or storage. Should errors appear in the transmitted sequence upon reaching its destination, they can be corrected with reference to the redundant layers. Polar codes are a new class of error correction codes that provably achieve the capacity of binary discrete memoryless channels. Their distinct advantages have led to their inco...

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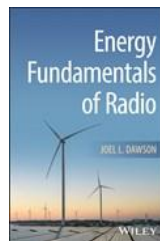
Energy Fundamentals of Radio

Joel L. Dawson

Understand the technology that has reshaped global communication.

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Energy Fundamentals of Radio provides an accessible, readable overview of this critical subject. It em

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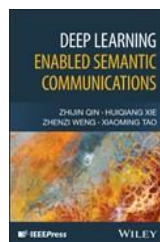
Deep Learning Enabled Semantic Communications

Zhijin Qin, Xiaoming Tao, Huiqiang Xie, Zhenzi Weng

Comprehensive overview of the principles, theories, and techniques behind deep learning-enabled semantic communications

Deep Learning Enabled Semantic Communications explores the synergy between deep learning and semantic communication, particularly in the context of advancing 6G networks. It provides a focused introduction to the subject, systematically covering deep learning-enabled semantic communication systems and task-oriented semantic transmission paradigms in wireless communication.

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Agbotiname Lucky Imoize, Dinh-Thuan Do, Houbing Song

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Nishith D. Tripathi, Jeffrey H. Reed

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3GPP-based Non-Terrestrial Networks in 5G and 6G: Expanding the Frontiers of Wireless Communications provides an overview of Non-Terrestrial Networks (NTNs) in the context of 3GPP systems such as 4G LTE and 5G NR. Unique challenges of NTNs such as long and variable propagation delays, large and time-varying Doppler shifts, different types of beams including Earth-fixed beams,

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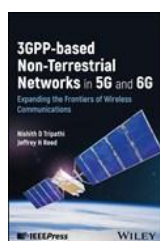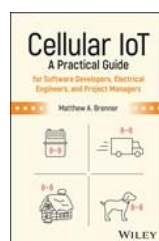Technology & Engineering / Mobile & Wireless Communications

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Matthew A. Brenner

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Marco Morana, Harpreet Singh

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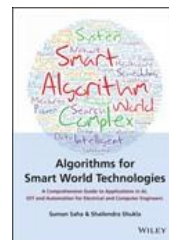
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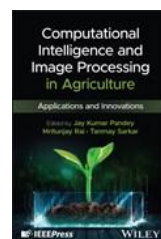
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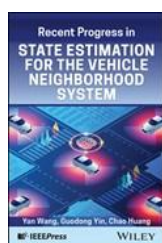9781394345663
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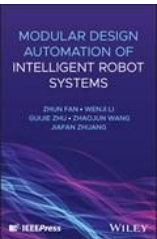*Food Engineering Automation with Robotics and AI is a*

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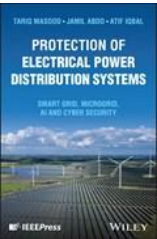
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Tariq Masood, Jamil Abdo, Atif Iqbal

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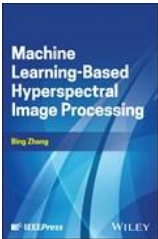
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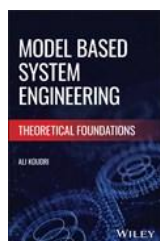
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Modern Design and Manufacturing Practices for Performability Engineering

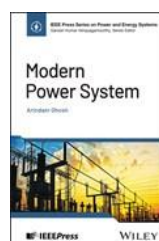Sanjay Kumar Chaturvedi, Heeralal Gargama, Rajiv Nandan Rai

Design and Manufacturing Practices for Performability Engineering serves as a guide, generating innovative ideas and fostering a deeper understanding of the multifaceted nature of performability engineering. The present text is aimed at providing modeling and analysis techniques for the evaluation of reliability measures for systems whose structures can be described in the form of a probabilistic graph. The chapters in this book are diverse and represent the vitality of the majority of QRAMS aspects of performability engineering. It describes techniques, illustrated through numerous examples of

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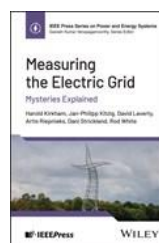
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Jun Liang, Chuanyue Li

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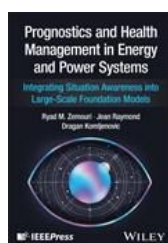
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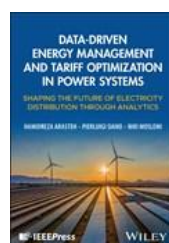
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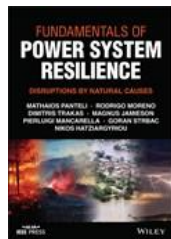/ Power Resources

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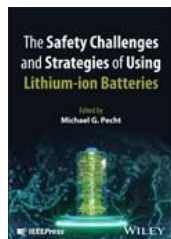
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Renchang Dai

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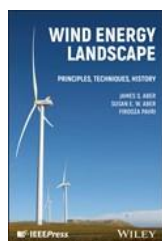
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James S. Aber, Susan W. Aber, Firooza Pavri

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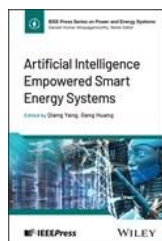
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Qiang Yang, Gang Huang

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O. V. Gnana Swathika, K. Karthikeyan, Sanjeevikumar Padmanaban

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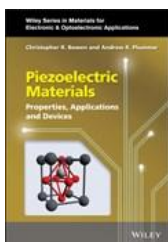
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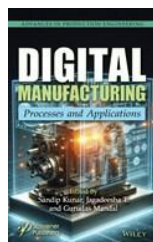
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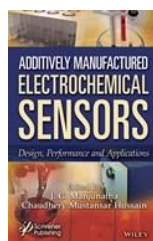
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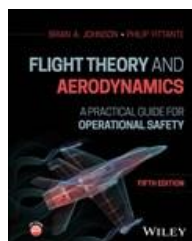
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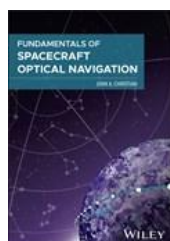
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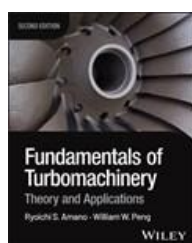Technology & Engineering
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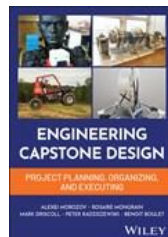## Turbulence and Transport Phenomena: Modeling Techniques in Computational Fluid Dynamics

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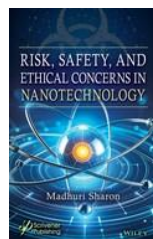Technology & Engineering / Engineering (General)

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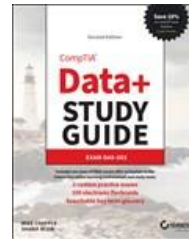
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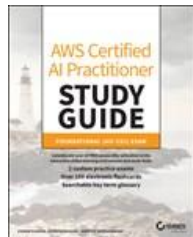
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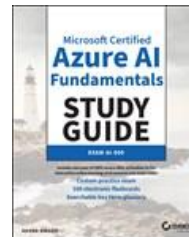## AWS Certified AI Practitioner Study Guide: Foundational (AIF-C01) Exam

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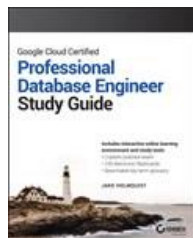
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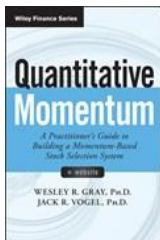Computers / Certification Guides

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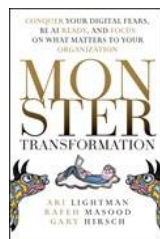
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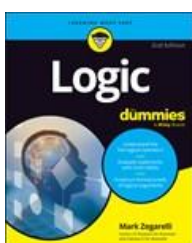
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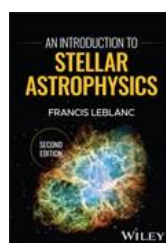
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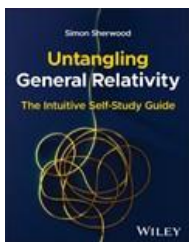
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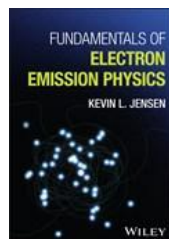
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Kevin L. Jensen

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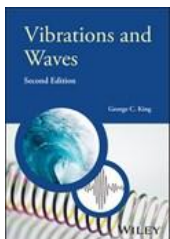
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George C. King

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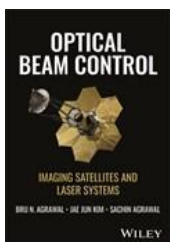
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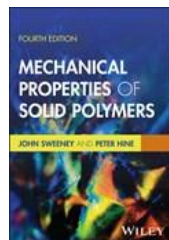
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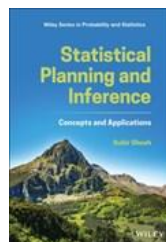The authors emphasize biopolymers – as opposed to petrochemical-based polymers – and incorporate a great

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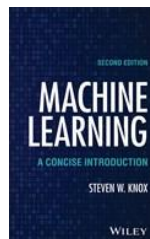
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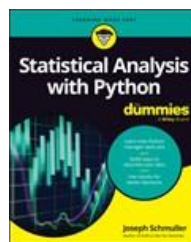
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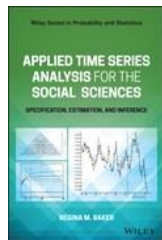Pub Date: 11/25/25
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