



**LIST OF E-BOOKS TITLES (Wiley-IEEE & MIT PRESS) ADDED TO LIBRARY
DURING JANUARY – DECEMBER 2022
(ACCESSIBLE THROUGH IEEEExplore)**

1. A Guide to Noise in Microwave Circuits: Devices, Circuits and Measurement
2. Active Electronically Scanned Arrays: Fundamentals and Applications
3. Advanced Antenna Array Engineering for 6G and Beyond Wireless Communications
4. Alternative Liquid Dielectrics for High Voltage Transformer Insulation Systems: Performance Analysis and Applications
5. An Experiential Introduction to Principles of Programming Languages
6. Analog
7. Antenna and Array Technologies for Future Wireless Ecosystems
8. Artificial Communication: How Algorithms Produce Social Intelligence
9. Autonomous Road Vehicle Path Planning and Tracking Control
10. Awkward Intelligence: Where AI Goes Wrong, Why It Matters, and What We Can Do about It
11. Beyond Data: Reclaiming Human Rights at the Dawn of the Metaverse
12. Carbon Queen: The Remarkable Life of Nanoscience Pioneer Mildred Dresselhaus
13. Cloud Empires: How Digital Platforms Are Overtaking the State and How We Can Regain Control
14. Code for What?: Computer Science for Storytelling and Social Justice
15. Collective Wisdom: Co-Creating Media for Equity and Justice
16. Communicating in Risk, Crisis, and High Stress Situations: Evidence-Based Strategies and Practice
17. Computational Modeling and Simulation Examples in Bioengineering
18. Content
19. Corporate Cybersecurity: Identifying Risks and the Bug Bounty Program
20. Curious Minds: The Power of Connection
21. Cyber-physical Systems: Theory, Methodology, and Applications
22. Design after Capitalism: Transforming Design Today for an Equitable Tomorrow
23. Digital Lethargy: Dispatches from an Age of Disconnection
24. Drugs and the FDA: Safety, Efficacy, and the Public's Trust
25. E-CARGO and Role-Based Collaboration: Modeling and Solving Problems in the Complex World
26. Echo
27. Electrical Safety Engineering of Renewable Energy Systems
28. Electromagnetic Radiation, Scattering, and Diffraction
29. Electromagnetic Vortices: Wave Phenomena and Engineering Applications
30. Electronics in Advanced Research Industries: Industry 4.0 to Industry 5.0 Advances
31. Embedded and Fan-Out Wafer and Panel Level Packaging Technologies for Advanced Application Spaces: High Performance Compute and System-in-Package
32. Embedded Control for Mobile Robotic Applications

33. Enterprise Strategy for Blockchain: Lessons in Disruption from Fintech, Supply Chains, and Consumer Industries
34. Fault Diagnosis, Prognosis, and Reliability for Electrical Machines and Drives
35. Fault Location on Transmission and Distribution Lines: Principles and Applications
36. Gas Insulated Substations
37. Harmonic Modeling of Voltage Source Converters using Basic Numerical Methods
38. High Power Microwave Sources and Technologies Using Metamaterials
39. How Your Brain Works: Neuroscience Experiments for Everyone
40. Human-Robot Interaction Control Using Reinforcement Learning
41. Inclusion on Purpose: An Intersectional Approach to Creating a Culture of Belonging at Work
42. Industry 4.1: Intelligent Manufacturing with Zero Defects
43. Intelligent Connectivity: AI, IoT, and 5G
44. Intelligent Security Systems: How Artificial Intelligence, Machine Learning and Data Science Work For and Against Computer Security
45. Invention and Innovation: A Brief History of Hype and Failure
46. Language vs. Reality: Why Language Is Good for Lawyers and Bad for Scientists
47. Massive Connectivity: Non-Orthogonal Multiple Access to High Performance Random Access
48. Mathematical Programming for Power Systems Operation: From Theory to Applications in Python
49. Merging Optimization and Control in Power Systems: Physical and Cyber Restrictions in Distributed Frequency Control and Beyond
50. Microprediction: Building an Open AI Network
51. Microwave Plasma Sources and Methods in Processing Technology
52. Modeling and Control of Modern Electrical Energy Systems
53. Neurolinguistics
54. Neurorobotics: Connecting the Brain, Body, and Environment
55. Optimal and Robust State Estimation: Finite Impulse Response (FIR) and Kalman Approaches
56. Optimal Coordination of Power Protective Devices with Illustrative Examples
57. Persuading with Data: A Guide to Designing, Delivering, and Defending Your Data
58. Polymer Composites for Electrical Engineering
59. Power Flow Control Solutions for a Modern Grid Using SMART Power Flow Controllers
60. Power Magnetic Devices: A Multi-Objective Design Approach
61. Power System Protection
62. Power System Protection: Fundamentals and Applications
63. Practical ESD Protection Design
64. Probabilistic Power System Expansion Planning with Renewable Energy Resources and Energy Storage Systems
65. Productive Tensions: How Every Leader Can Tackle Innovation's Toughest Trade-Offs
66. Pulsewidth Modulated DC-to-DC Power Conversion: Circuits, Dynamics, Control, and DC Power Distribution Systems
67. Reimagining Design: Unlocking Strategic Innovation
68. Resilient Control Architectures and Power Systems

69. Robot Ethics
 70. SAR Image Analysis - A Computational Statistics Approach: With R Code, Data, and Applications
 71. Security and Privacy in the Internet of Things: Architectures, Techniques, and Applications
 72. Security in Wireless Communication Networks
 73. Selfie Democracy: The New Digital Politics of Disruption and Insurrection
 74. Sensing Machines: How Sensors Shape Our Everyday Life
 75. Shaping Future 6G Networks: Needs, Impacts, and Technologies
 76. Smart Solar PV Inverters with Advanced Grid Support Functionalities
 77. Soft-Switching Technology for Three-phase Power Electronics Converters
 78. Star Power: ITER and the International Quest for Fusion Energy
 79. Tales from a Robotic World: How Intelligent Machines Will Shape Our Future
 80. The Digital Closet: How the Internet Became Straight
 81. The Future of Competitive Strategy: Unleashing the Power of Data and Digital Ecosystems
 82. The Leak: Politics, Activists, and Loss of Trust at Brookhaven National Laboratory
 83. The Meaning of Proofs: Mathematics as Storytelling
 84. The New Fire: War, Peace, and Democracy in the Age of AI
 85. The Pentagon, Climate Change, and War: Charting the Rise and Fall of U.S. Military Emissions
 86. The Real World of College: What Higher Education Is and What It Can Be
 87. The Smart Mission: NASA's Lessons for Managing Knowledge, People, and Projects
 88. The Technology and Business of Mobile Communications: An Introduction
 89. The Weakest Link: How to Diagnose, Detect, and Defend Users from Phishing
 90. The Where Futures Converge: Kendall Square and the Making of a Global Innovation Hub
 91. There Are No Facts: Attentive Algorithms, Extractive Data Practices, and the Quantification of Everyday Life
 92. Tokyoids: The Robotic Face of Architecture
 93. Tropospheric and Ionospheric Effects on Global Navigation Satellite Systems
 94. Understanding Artificial Intelligence: Fundamentals and Applications
 95. Unlocking Agile's Missed Potential
 96. VCSEL Industry: Communication and Sensing
 97. What It All Means: Semantics for (Almost) Everything
 98. Wireless Blockchain: Principles, Technologies and Applications
 99. Wireless RF Energy Transfer in the Massive IoT Era: Towards Sustainable Zero-energy Networks
 100. Work without Jobs: How to Reboot Your Organization's Work Operating System
 101. Working with AI: Real Stories of Human-Machine Collaboration
 102. "Well, Doc, You're In": Freeman Dyson's Journey through the Universe
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