Real-World Challenges in Quantum Electronics and Machine Computing

Part of the Advances in Computational Intelligence and Robotics Book Series

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Description:

Quantum computers are unparalleled in terms of computational power, and they have a multitude of promising applications. However, these computers are prone to noise and instability caused by environmental interactions, making the use of these advanced machines rather impractical in most



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scenarios. Despite these challenges, **Real-World Challenges in Quantum Electronics and Machine Computing** provides innovative solutions to navigate the complexities of quantum computation, thus offering hope during this time of turbulence.

By delving into the intricacies of quantum electronics and machine computing, this book equips readers with the tools to overcome the hurdles obstructing the path to practical quantum computing. It serves as a roadmap for students, practitioners, and professionals, guiding them through the intricacies of error correction techniques and hardware development. With its comprehensive coverage of cutting-edge topics and innovative solutions, the book empowers readers to tackle the most pressing challenges facing the quantum computing landscape. As researchers and engineers strive to unlock the full potential of quantum computation, this book stands as an indispensable resource, guiding them toward a future where quantum computing transcends the realm of theory and becomes a tangible reality.

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