

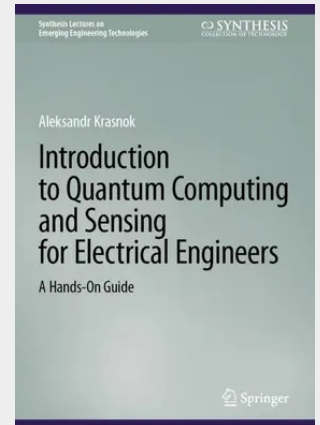
Introduction to Quantum Computing and Sensing for Electrical Engineers

A Hands-On Guide

Quantum computing and quantum sensing are changing how engineers think about information, measurement, communication, and security. Quantum computing uses the rules of quantum physics to process information in new ways. Quantum sensing uses those same rules to measure small changes in fields, forces, materials, and other physical systems.

is a practical guide for students and readers who want to understand how these ideas work in real systems. The book explains the main concepts step by step and uses Python examples to connect theory with practice. It covers quantum states, measurements, circuits, noise, sensing, quantum algorithms, quantum networks, and quantum security. The focus is on helping readers see how quantum models, computer simulations, and physical devices fit together.

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