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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction to Quantum Physics -- Introduction to Quantum Computing -- Superconducting Qubits -- Microwave Systems -- Microwave Components -- Principles of Electromagnetic Compatibility -- Control Hardware for Superconducting Qubits -- Principles of Cryogenics.
Sommario/riassunto	"The first of its kind, <i>Microwave Techniques in Superconducting Quantum Computers</i> introduces microwave and quantum engineers to essential practical techniques and theoretical foundations crucial for operating and implementing hardware in superconducting quantum processors. This practical resource covers an extensive range of topics, including Introduction to Quantum Physics, Introduction to Quantum Computing, Superconducting Qubits, Microwave Systems, Microwave Components, Principles of Electromagnetic Compatibility, Control Hardware for Superconducting Qubits, and Principles of Cryogenics. Such technical knowledge equips the reader with essential skills to succeed in the demanding industries and research settings surrounding quantum technologies. With clearly outlined learning objectives and coherent explanations of intricate concepts, this is a must-have

reference for a wide spectrum of professionals, including microwave and quantum engineers, technical managers, technical sales engineers in quantum computing and microwave companies, as well as newcomers entering this field."--Provided by publisher.

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