

Contemporary Developments in High-Frequency Photonic Devices

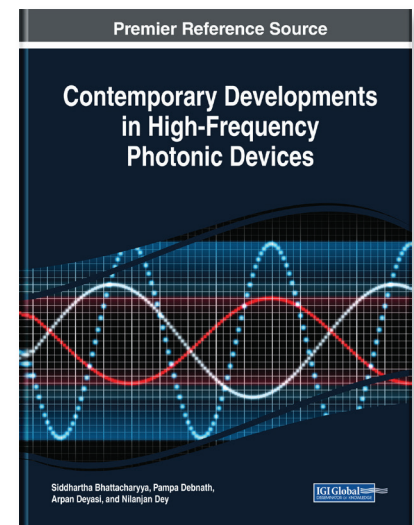
Part of the Advances in Computer and Electrical Engineering Book Series

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Description:

Microwave photonics and information optics provide high bandwidth and precision along with ultrafast speed at a low cost. In order to reduce noise at the communication trans-receivers, scattering in the devices needs to be decreased, which can be achieved by replacing optoelectronic devices with photonic devices because in the latter only photons propagate electromagnetic waves.

Contemporary Developments in High-Frequency Photonic Devices is a crucial research book that examines high-frequency photonics and their applications in communication engineering. Featuring coverage on a wide range of topics such as metamaterials, optoelectronic devices, and plasmonics, this book is excellent for students, researchers, engineers, and professionals.



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Topics Covered:

- Design Methodology
- Electromagnets
- Information Optics
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- Microwave Photonics
- Optical Logic Gate
- Optoelectronic Device
- Plasmonic Sensor
- Plasmonics
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