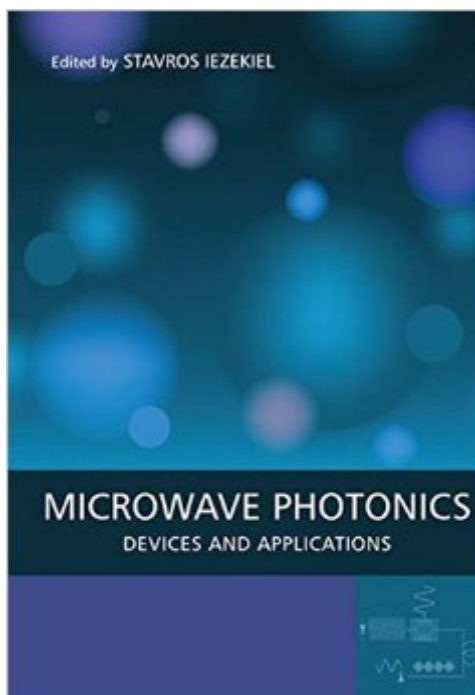


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Microwave Photonics: Devices And Applications



Synopsis

Microwave photonics is an important interdisciplinary field that, amongst a host of other benefits, enables engineers to implement new functions in microwave systems. With contributions from leading experts, *Microwave Photonics: Devices and Applications* explores this rapidly developing discipline. It bridges a gap between microwave and photonic engineering, providing an accessible interpretation of the current available research material and a detailed introduction to various aspects of the area. Opening with an overview to the subject, this book covers direct modulation, photonic oscillators for THz signal generation, and terahertz sources. It takes a unique application-focused approach and describes: analogue fibre-optic links; fibre radio technology; microwave photonic signal processing; measurement of microwave photonic components, and; biomedical applications. This text is ideal for practising microwave and fibre optics communication engineers wishing to improve their knowledge, and for researchers and graduate students wanting an overview of the subject.

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