

Terahertz Technology: Fundamentals and Applications: 77 (Lecture Notes in Electrical Engineering)

By Ali Rostami, Hassan Rasooli, Hamed Baghban



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The book presents information about Terahertz science, Terahertz photodetectors and Terahertz Lasers. A special emphasis is given to room temperature operation of long wavelength photodetectors based on novel quantum dots (Centered Defect Spherical Quantum Dots). Moreover, a complete analysis of systems based on Quantum Cascade structures to detect far infrared wavelengths is provided. Finally, the book presents Terahertz laser principles considering multicolor lasers in this range of wavelengths. Written as a background for graduate students in the Optics field.





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