

Abstracts

Picosecond Optics and Microwave Technology

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Progress in the application of ultrafast optics to microwave and millimeter-wave technology using picosecond photoconductors is reviewed. The generation, control, and characterization of both pulsed and CW high-frequency waves using a frozen wave generator, an impulse excited resonator, and a spectral filter are presented. A time-domain network analyzer which uses optoelectronic techniques for on-wafer monolithic microwave and millimeter-wave integrated circuit measurements is described.

[Return to main document.](#)