

# Abstracts

## New Developments in Optical Control Techniques for Phased Array Radar

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*A.J. Seeds, I.D. Blanchflower, N.J. Gomes, G. King and S.J. Flynn. "New Developments in Optical Control Techniques for Phased Array Radar." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 905-908.*

Recent work on optical signal distribution and control techniques for phased array radar is described. Experimental results for millimetre-wave reference signal generation by heterodyning the outputs of two semiconductor lasers are presented. Novel mixers in which the local oscillator input is an intensity modulated optical signal are described. The use of these developments, together with other optically controlled devices, in new phased array element architectures is discussed.

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