

# Abstracts

## SAW Convolvers and Signal Processing in a Packet Radio

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*J.H. Fischer, J. Cafarella and G.T. Flynn. "SAW Convolvers and Signal Processing in a Packet Radio." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 565-567.*

Surface-acoustic-wave convolvers have been combined with digital circuits to create a signal processor for a packet-radio data-communications network. The multifunction radio supports data rates of 44 bps to 1.45 Mbps and signal processing gains from 18 dB to 61 dB for robust communication and ranging in a multipath environment.

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