

# Abstracts

## Chaotic radar systems

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*M.I. Sobhy and A.R. Shehata. "Chaotic radar systems." 2000 MTT-S International Microwave Symposium Digest 00.3 (2000 Vol. III [MWSYM]): 1701-1704.*

The paper describes a radar system based on a chaotic microwave generator and an inverse system to reconstruct the radar pulse signal. Chaotic microwave communication systems offer the possibility of adopting spread spectrum techniques at microwave frequencies with greater noise immunity. Synchronised chaotic systems offer high security. The microwave generator used is based on a frequency multiplier chain and is designed to give any required frequency.

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