

Session: TH4B

Chaos in Microwave Systems

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Chaotic processes, observed in microwave circuits, arise because of the interactions of nonlinear and reactive elements in the circuit. For example, oscillators operated in a chaotic mode generate sub-harmonics. However, as our understanding of these processes develops, investigators are realizing that chaotic operation can provide beam scanning in arrays and encoded communications. This session will describe how chaotic processes can be used for these applications.



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Room 132

