

Session III

Signal Generation and Control

Chairman:

J. Mondal
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The session focuses on some of the innovative approaches involved in circuit techniques, device transfer characteristics and higher level of mixed mode integration in signal conversion and control. The first paper on mm-wave frequency multiplier with a single stage sets the general direction for high efficiency multiplication techniques with accurate PHEMT model. The second paper on mixed mode integration of all blocks on a single chip will definitely impact the size and cost of future systems. The third paper on mw device architecture to improve 3rd order IM is well timed for wireless communication. The fourth paper discusses the improvements on Lo-RF suppression in 28 GHz range. Novel circuit techniques are use in the fifth paper implement ballins for overlapping IF, RF and LO bandwidths.

10:30 a.m.–12:00 noon, Monday, June 17, 1996
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