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MICROWAVE SYSTEMS APPLICATIONS

Chairman: Joseph Levy—Eaton Corporation/AIL

Session Abstract: The general trend of increasing interest and practicality of millimeter-wave system applications and related subsystems and components is illustrated by this year's Systems Applications session. The session consists of two application papers and four subsystem and component papers, all of which are in the millimeter-wave frequency band. The first paper presents a comparison of different receiver implementations developed with different levels of integration and design approaches. A complete guided-wave transmitter and receiver is discussed next. The third paper shows how switching of the (low power) synchronization signal allows re-direction of the high level signal with no loss. Two special applications are discussed in the next papers: a new obstacle scanning radar and a commercial system for TV distribution. The last paper describes the subsystems and components of the commercial TV distribution system just discussed.

**2:00 p.m.–3:30 p.m., Thursday, June 15, 1989
Pacific Room**