

Session DD

Ferrites and Acoustics

Co-chairmen:

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This year the quality and quantity of papers submitted on ferrite devices demonstrates a heightened interest in this area. The spectrum of papers to be presented ranges from basic theory to subsystems. The first two papers describe advances in the analysis and in extending the bandwidth of the widely used toroidal phase shifter. The next paper utilizes epitaxial Fe films on GaAs to realize a monolithic bandstop filter. Circulator CAD is still an area needing extensive effort and the contribution in this session focuses on broadband high frequency design. The next two paper report on the design of high performance, temperature-compensated, tunable oscillators based on YIG spheres and MSW delay lines. The final paper of the session describes a high performance mobile communication system using dual-track SAW filter.

8:30 a.m.-10:00 a.m., Thursday, June 13, 1991
Ballroom B