

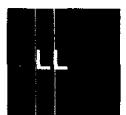
# Session LL

## Bulk and Thin Film Ferrites

### Co-Chairmen:

**J.M. Owens**  
Auburn University  
Auburn, AL

**R. Miller**  
Westinghouse ESG  
Baltimore, MD



This session deals with the application of bulk and thin film ferrites. The first paper deals with theoretical and experimental analysis of the power limitations of rotary-field phase shifters. The second paper deals with the development of very compact MMIC compatible broadband circulators. The third paper presents detailed analysis of asymmetrical W-disc circulators at 94 GHz. The device has the advantage of being more compact than conventional devices. The session next deals with thin film magnetostatic wave devices. The fourth paper in the session deals with the application of layered YIG structures as bandpass and bandstop structures. The next paper discusses a magnetostatic wave notch filter based on YIG discs. The last paper presents the results of studies of resonators-type MSW filters which utilize planar orthogonal couplers. The authors have utilized metal rings to reduce higher order modes and thus reduce spurious response.

**10:00 a.m.-11:30 a.m., Thursday, June 4, 1992**  
**Ballroom B**