

# Session H

## Miniaturized and Active Filters

**Chairman:**

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The market-driven application of mobile and personal communications have created a need for compact, light-weight components. In particular, there is a new challenge to produce compact, light-weight filters at low cost. This session assembles five papers on miniaturized and active filters that may potentially lead to a solution to this challenge. The first paper describes a compact planar filter made of high-permittivity multilayer ceramic for portable phones. The second paper describes a planar elliptic function filter with resonators coupled through small apertures. The other three papers deal with active filters that can eventually be integrated into MMICs.

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**1:30 p.m.-3:00 p.m., Tuesday, June 15, 1993**  
**Room 202**