

Session RR

Superconducting Filters

Chairman:

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Since the breakthrough in realizing materials exhibiting higher critical-temperature superconductivity, attention has turned to using these materials in higher-Q microwave filters. For the case of filters using superconducting films, this involves the growth and patterning of high-quality films and the use of mathematical models which can be used to design such devices with sufficient accuracy. Still others employ bulk materials which require accurate and useful placement to achieve high performance. The papers in this session represent such contributions, employing high-quality, high T_c materials in a variety of media such as microstrip, coplanar wave guides, and dielectric-rod resonators.

**3:30 p.m.–5:00 p.m., Thursday, June 13, 1991
Room 302**