

R

MICROWAVE APPLICATIONS OF SUPERCONDUCTORS (FOCUSED SESSION)

Chairman: Denis Webb—Naval Research Laboratory

Session Abstract: The first devices made from high- T_c superconducting materials have been demonstrated in the laboratory and the process of determining which ones will have important microwave applications has been initiated. The initial focus, as represented by the papers in this session, has been on simple passive devices such as delay lines, resonators and detectors. Application of these materials to SAW filters and superdirective antennas is also being discussed in this session. Although initial results are encouraging, the key to successful microwave application of high- T_c superconductors will be the realization of high-quality, large-area thin-film materials.

10:30 a.m.–12:00 noon, Wednesday, June 14, 1989
California