

DD

HIGH POWER MICROWAVE (FOCUSED SESSION)

Chairman: Jitendra Goel—TRW/ESG

Session Abstract: Several major advances have been made in the high-power microwave area in recent years. In solid-state amplifiers output power of 30 kW has been achieved. With innovative schemes in cooling and combining, several megawatts of power is possible. In vacuum tubes 50 megawatts has been demonstrated. The technology has the potential of achieving several gigawatts at microwave frequencies.

Applications of high power microwave technologies, such as wide band plasma limiters, power amplifier linearizers and high power microwave diagnostic systems, will be discussed.

8:30 a.m.–10:00 a.m., Thursday, June 15, 1989
California Room