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HIGH SPEED OPTICAL TECHNIQUES AND COMPONENTS

Chairman: P. Wahi—TASC

Session Abstract: The first two technical papers in this session describe the progress in wideband photoreceiver technology and calibration techniques for optical receivers and modulators. Test results are given for frequencies in excess of 20 GHz. The second half of the session is devoted to optically activated switch applications, electro-optic modulator design and pulsed operation of an optical switch utilizing Fin-line structure on a semiconducting substrate. RF powers in excess of 3.75 Kw have been switched using optical techniques. Innovative nonsymmetric structures have been described to increase bandwidths up to 75% for a 10 GHz electrooptic modulator.

**4:00 pm–5:30 pm, May 27, 1988
Jacob Javits Convention Center, Hall 1E
Room 1**