

# Abstracts

## A bilateral lightwave network analyzer-architecture and calibration

---

*B. Elamaran, R.D. Pollard and S. Iezekiel. "A bilateral lightwave network analyzer-architecture and calibration." 2000 Transactions on Microwave Theory and Techniques 48.12 (Dec. 2000 [T-MTT] (Special Issue on 2000 International Microwave Symposium)): 2630-2636.*

The first bilateral lightwave network analyzer (BLNA) architecture that is capable of two-port S-parameter measurements is reported in this paper. A combined two-tier calibration is proposed and implemented for electrooptic and optoelectronic measurements. Calibrated measurement results showing the good performance of the BLNA for all types of lightwave components are also presented.

[Return to main document.](#)