



Short Course Announcement:
**Measurements and Metrology for
RF Telecommunications**



November 28-29, 2000
The Omni Hotel
Broomfield, Colorado

The Automatic Radio Frequency Techniques Group (ARFTG) in cooperation with NIST will offer its 2000 Microwave Measurements Short Course on November 28-29 in conjunction with the 56th ARFTG Conference to be held in Broomfield, Colorado (near Boulder), on November 30 and December 1. This course is designed for engineers and scientists concerned with accurate measurement of RF and microwave quantities. The 2 day short course format will cover general topics as well as topics that specifically support the conference theme of "Metrology and Test for RF Telecommunications."

The first day of the course will cover microwave measurement fundamentals, including microwave circuit theory, vector network analyzers, scattering parameters, power, and noise. It will include a discussion of cables, connectors, fixtures, probes and on-wafer measurements. This will provide an excellent introduction for newcomers to the field or a good review for those familiar with RF and microwave measurements.

The morning of the second day will include additional important measurement topics such as phase noise, load pull, and time-domain measurement techniques. The afternoon of the second day will be devoted to Conference-related topics such as large-signal measurements, nonlinear device characterization, radio link modeling, channel simulation, and channel measurements. This will help build a good base of common understanding to set the stage for the advanced topics to be presented at the conference.

All sessions will be held in the Omni Hotel, Broomfield, Colorado. This is the same site as the ARFTG Conference. The course registration fee is \$400 and includes lunch on both days. For those who wish to attend only the second day, the fee will be \$250. In either case, notes for both days' lectures will be provided. Class size is limited, with preference to those attending both days. For more information on the conference and short course see www.arftg.org.

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For additional information on the 56th Conference, Short Course and Hotel please see www.arftg.org