

The 4th ARFTG NVNA Users' Forum at IMS 2004

An informal discussion group devoted to sharing information and issues related to instrumentation utilized in vector large-signal network analysis of microwave circuits and systems that contain nonlinear elements.

Topics: Large-signal measurements utilizing nonlinear vector network analyzers (NVNAs), e.g. Microwave Transition Analyzers (MTAs) and Large-Signal Network Analyzers (LSNAs). NVNA measurements in conjunction with loadpull, sampling oscilloscopes, vector signal analyzers, and other test equipment used to perform large-signal measurements.

Date: Thursday, June 10

Time: 5-7 PM

Location: Fort Worth Convention Center, Room 101 (see attached map)

More Information: Check the ARFTG website for updates: www.arftg.org

Agenda:

5:00 p.m. – 5:05 p.m.: Introductions

5:05 p.m. – 5:30 p.m.: Discussion topic 1: *“Phase calibrations - how necessary are they?”*

5:30 p.m. – 5:55 p.m.: Discussion topic 2: *“What is the status of research on measurement-based behavioural modelling? Is it still academic or are these techniques being used on a large scale? What is missing to further deploy these techniques?”*

5:55 p.m. – 6:20 p.m.: Research updates

- M. Vanden Bossche (NMDG Engineering bvba): *“An improved Harmonic Phase Reference for LSNA capabilities up to 50 GHz”*
- D. Williams (NIST): *“NIST ‘Rent-a-Pulse’ Program”*
- Kate Remley and Mike McKinley (NIST): *“Measuring the reflection coefficient of signal sources under large-signal excitation.”*
- *(There is still room for one or two updates. Please contact the organizers if you are interested)*

6:20 p.m. – 6:35 p.m.: Discussion of Ph.D. research

- Peter Blockley (Macquarie University, Sydney, Australia)

6:35 p.m. – 7:00 p.m.: Demos, announcements, and open discussion

- G. Simpson (Maury Microwave): *“MT4463A is now reality”*
- New thoughts about ‘THE name’?

Feel free to drop in or let us know if you'd like to participate:

Dr. Dominique Schreurs, K.U.Leuven, <dominique.schreurs@esat.kuleuven.ac.be>

Dr. Kate Remley, NIST <remley@boulder.nist.gov>

Dr. Wendy Van Moer, VUB <wendy.vanmoer@vub.ac.be>

We hope to see you there!

Next Forum: in Amsterdam!

Note: The next Users' Forum will be held as a Focused Session in conjunction with the European Microwave Conference in October, and will be co-sponsored by ARFTG and the European Network of Excellence TARGET. The preliminary date is October 12 at 4 p.m. The EuMC technical program committee is willing to publish 4-page papers in the conference proceedings associated with the Users' Forum. Any participant who has given a research update during past Users' Forums (or the 4th or 5th Forums) is welcome to submit an expanded version of their update to the organizers listed above for consideration. The deadline for such a paper is July 5. (Detailed format instructions can be found on: <http://www.eumw2004.com/papersub.html>).