

## NVNA Users' Forum

### **Mission Statement:**

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.

### **Background:**

- Initiated by ARFTG in Dec. 2002 (<http://www.arftg.org>)
- Co-sponsored by NoE Target since 2004

### **Organizers:**

- Dr. Dominique Schreurs (Dominique.Schreurs@esat.kuleuven.be)
- Dr. Kate Remley (remley@boulder.nist.gov)
- Dr. Wendy Van Moer (wendy.vanmoer@vub.ac.be)

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### **Agenda**

- **13:50 – 13:55: Welcome**
- **13:55 – 14:20: Discussion Topic 1**
- **14:20 – 14:40: PhD Research**
- **14:40 – 15:00: Research Updates**
- **15:00 – 15:25: Discussion Topic 2**
- **15:25 – 15:30: Announcements and Closing**

**Discussion Topic 1 (25 min.)**

***FOM for behavioural model comparison***

**Introduced by**

**Michael Gadringer and Daniel Silveira (TUW, Austria)**

**PhD Research (20 min.)**

***Extending the dynamic range of high  
power non-linear measurement systems***

**Nilaped Russamee (Univ. of Cardiff, UK)**

## Research Updates

- John Wood (Freescale, USA)  
*“Large signal measurements of RF power transistors”*
- Alessandro Cidronali (Univ. of Florence, Italy)  
*“Comparison between Phaser-Quattro and LSNA from a modeller’s point of view”*

## Discussion Topic 2 (25 min.)

***THE Name***

**(moderated by Dominique Schreurs)**

## THE Name

### • Results in Users' Forum Dec. 2003:

- NNA (Nonlinear Network Analyzer): 11
- LSNA (Large-Signal Network Analyzer): 8
- NVNA (Nonlinear Vector Network Analyzer): 5
- ANA (Absolute Network Analyzer): 2
- ACNA (Absolutely Calibrated Network Analyzer): 1
- VCA (Vector(ial) Component Analyzer): 0

## Announcements

### Next meetings

- @ **Fall ARFTG** (Boulder, USA): Nov. 29<sup>th</sup>, 2006
- @ **IMS 2007** (Honolulu, USA): June 2007
- **in Europe:**
  - @ EuMW?
  - @ INMMIC?