

GE2007-TARGET PhD School

Technical programme

Each slot takes into account for audience questions and discussion.

**Monday June
18th, 2007**

Modelling and Design Tools

9:30 – 11:00	From the Device Physics to the Model	A. Mediavilla – L. El Maazouzi, University of Cantabria, Spain
11:00 – 11.30	<i>break</i>	
11:30 – 13:00	Efficient CAD tools for Modelling	A. Mediavilla – A. Tribak, University of Cantabria, Spain
	<i>lunch</i>	
14:30 - 16:00	Nonlinear empirical models of microwave transistors – 1. Nonquasi-static approaches	A. Santarelli – DEIS, University of Bologna, Italy
16:00 - 16:30	<i>break</i>	
16:30 - 18:00	Nonlinear empirical models of microwave – 2. Low-Frequency dispersion characterization	A. Raffo - UNIFE, University of Ferrara, Italy

**Tuesday June
19th, 2007**

System and PA Design

9:30 – 11:00	Front-end architectures for Software Defined Radio	A. Cidronali, DET, University of Florence, Italy
11:00 – 11.30	<i>break</i>	
11:30 – 13:00	Debug of wideband digital radio and demo	R. Sacchi, Agilent Technologies, Italy
	<i>lunch</i>	
14:30 - 15:30	Microwave Circuits Analysis and Design Basics	E. Limiti, DIE, 2 nd Univeristy of Rome 'Tor Vergata', Italy
15:30 - 16:30	Design Synthesis of Matching Network in Microwave FET Amplifiers	L. Scucchia, DIE, 2 nd Univeristy of Rome 'Tor Vergata', Italy
16:30 - 16:45	<i>break</i>	
16:45 - 17:45	Microwave Power Amplifier Design Basics	P. Colantonio, DIE, 2 nd Univeristy of Rome 'Tor Vergata', Italy

**Wednesday
June 20th, 2007**

Characterization Tools

9:30 – 11:00	Basics on microwave Linear measurements, VNA fundamentals and calibration techniques	G. Ghione, M. Pirola, V. Camarchia, DIE, Politecnico di Torino, Italy
11:00 – 11.30	<i>break</i>	
11:30 – 13:00	Advanced Non-Linear measurements: Load/Source-Pull technique and time domain analysis	G. Ghione, M. Pirola, V. Camarchia, DIE, Politecnico di Torino, Italy
	<i>lunch</i>	