



T A R G E T

TARGET DAYS - TARGET MEETS INDUSTRY

Call for Participation

Date:

16-18 October 2006

Location:

Villa Mondragone
Via Frascati, 51
00040 Monte Porzio Catone
(Roma)
Italy



Broadband wireless communication systems operate at microwave frequencies and use digital modulation schemes producing signals with high crest factors. Both in the uplink and in the downlink of a wireless access scheme the power amplifier plays a crucial role: It is responsible for leaving the highly dynamic output signal undistorted while converting the battery power to microwave power at an efficiency as high as possible. Therefore, microwave power amplifier research activities to improve efficiency and linearity gained exceeding interest in the last years.

With the aim to coordinate, address and join research efforts in this field, a Network of Excellence was created within FP6 of the European Commission, called TARGET – Top Amplifier Research Groups in a European Team. The purpose of the TARGET network is to integrate the efforts of top European scientists in the field of microwave amplifier research. The topics covered and addressed by TARGET range from device technology to device characterisation and modelling, from design of power amplifiers and linearisers to transmitter and system design for broadband wireless access.

The aim of this workshop is to initiate a scientific dialog between TARGET and the wireless industry to discuss technical achievements of the TARGET network in its first three years and to identify future requirements and trends in mobile communication systems.

At this workshop contributions from academia and industry with respect to technical achievements and future trends will be given on the following technical areas:

- Semiconductor Materials and Devices
- Device Characterisation
- Device Modelling
- Amplifier Design
- Amplifier Modelling
- Wireless System Aspects

The workshop is funded by the European Commission and sponsored by European wireless industry. Participation is free of charge. For more information please check the TARGET website at <http://www.target-net.org>.