



# TARGET DAYS - TARGET MEETS INDUSTRY

## Call for Papers

**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 application relevant technical achievements of the TARGET network in its first three years and to identify future requirements and trends in mobile communication systems.

Therefore, technical papers describing original work in application oriented research and development arising from TARGET partners are solicited in the following subject areas:

- Semiconductor Materials and Devices
- Device and Amplifier Characterisation
- Device and Amplifier Modelling
- Amplifier Design and Linearisation
- Transmitter Architecture and Modelling

To submit a paper, an abstract of 2 pages in PDF format must be submitted within 16 July 2006 using the provided templates for full papers by email to:

Dr. Markus Mayer [markus.mayer@tuwien.ac.at](mailto:markus.mayer@tuwien.ac.at)

The authors are responsible for formatting and all fonts must be embedded. Authors of accepted papers will be required to submit a final paper of 4 pages in pdf format, for publication in the workshop proceedings within 1 October 2006. Templates will be available on TARGET web page (<http://www.target-net.org>).

Notice of paper acceptance and the required information to electronically submit the final version of the paper will be sent to the authors after 5 September 2006.

### **Electronic Submission**

- Deadline for abstract submission (2 pages): **16 July 2006**
- Notification to Authors: **5 September 2006**
- Final submission (4 pages): **1 October 2006**

**ALL SUBMISSION MUST BE IN PDF FORM. LATE SUBMISSION WILL NOT BE ACCEPTED.**