

## SUNDAY 16 December 2007

### 10.20-11.00 Welcome Refreshment

#### Session #1 (11.00-12-40)

- 11.00-11.20 Modelling of Sensor for Strain Related Measurement Based on SOI Technology**  
*P. Kulha, M. Husak*
- 11.20-11.40 Electron Device Modelling for Millimeter-Wave Wideband Wireless Systems**  
*D. Resca, A. Santarelli, A. Raffo, G. Vannini, R. Cignani, F. Filicori, V. Di Giacomo, D. Schreurs, C. Gaquière, M. Pagani*
- 11.40-12.00 Transistor level model verification with respect to application requirements**  
*D. Koeter, S. Dominique*
- 12.00-12.20 Amplifier model considerations for radar applications**  
*Authors*
- 12.20-12.40 Amplifier model verification for communications**  
*Authors*

### 12.40-14.00 Lunch

#### Session #2 (14.00-15-40)

- 14.00-14.20 An overview of WiSeLPAs: From semiconductors to Linearised Power Amplifiers**  
*P. M. Lavrador and J. C. Pedro*
- 14.20-14.40 GaN devices for microwave Power Amplifiers**  
*T. M. Martín Guerrero, C. Camacho Peñalosa, D. Ducatteau, C. Gaquiere*
- 14.40-15.00 Design and realisation of Power Amplifiers for WiMax applications**  
*P. Colantonio, F. Giannini, M. Imbimbo, M. Yarleque, D. Schreurs, B. Nauwelaers, J. A. Garcia, A. Mediavilla*
- 15.00-15.20 Hardware demonstrator for WiMax power amplifier linearisation using digital predistortion algorithms**  
*P. L. Gilabert, G. Montoro, M. E. Gadringer, D. D. Silveira, M. Mayer, E. Bertran and G. Magerl*
- 15.20-15.40 Nonideality Sources and Implementation Considerations in Polar Transmitters**  
*J. C. Pedro, P. Cabral, C. Fager, A. Zhou, P. Colantonio, J. A. García*

### 15.40-16.00 Coffee Break

#### Session #3 (16.00-17-40)

- 16.00-16.20 Thermal measurements of Microwave Transistors and MMICs**  
*J.P. Teyssier, D. Pogany*
- 16.20-16.40 A cheap solution for building a resonant harmonic tuner**  
*H. Arthaber, C. Schuberth, G. Magerl*
- 16.40-17.00 Realization of a Single and Multi-Band Power Amplifier Using IHP 0.25 mm SiGe HBT Technology**  
*M. Kaynak, M. Uzunkol, G. Koklu, I. Tekin, Y.Gurbuz*
- 17.00-17.20 Realization of Micromachined-Microelectromechanical Devices for Multiband/Tunable RF-Circuit Applications**  
*E. Heves, M. Kaynak, I. Tekin, Y. Gurbuz*
- 17.20-17.40 SiGe multiband PA**  
*P. Colantonio, F. Giannini, R. Giofrè, L. Piazzon, A. Cidronali, I. Magrini, R. Scholtz*

**MONDAY 17 December 2007**

**Session #4 (09.00-10-40)**

- 09.00-09.20** Software tools for RF measurements and modelling, from homemade to standards  
*J.P. Teyssier, M. Mayer, P. Schlemko*
- 09.20-09.40** A generalized CAD interface for nonlinear dynamic electron device models  
*I. Melczarsky, D. Resca, F. Filicori, A. Santarelli, G. Vannini*
- 09.40-10.00** A Class of Adaptive Digital Predistorter for Cancelling RF Amplifier Memory Effects: From the Idea to the Results  
*P.L. Gilabert, G. Montoro, E. Bertran, A. Cesari*
- 10.00-10.20** Behavioral modeling and digital predistortion for the linearization of a mm-wave Power Amplifier  
*I. Melczarsky, P.L. Gilabert, G. Montoro, E. Bertran, V. Di Giacomo, F. Filicori*
- 10.20-10.40** On Memoryless RF Power Amplifier Behavioural Modelling  
*M. O'Droma, Y. Lei, S. Meza, A. Goacher*

**10.40-11.00 Coffee Break**

**Session #5 (11.00-12-40)**

- 11.00-11.20 TARGET Highlights**  
*G. Magerl, S. Ivan*
- 11.20-11.40 Industrial Perspectives (1)**  
*TBC*
- 11.40-12.00 Industrial Perspectives (2)**  
*TBC*
- 12.00-12.20 Industrial Perspectives (3)**  
*TBC*
- 12.20-12.40 European Commission Perspectives**  
*TBC*

**12.40-14.00 Lunch**

**15.00-17.00** TARGET legal entity meeting

**20.00-24.00 Gala Dinner**