Workshop Program

March 31  Smart data converters

Chairman Arthur van Roermund
Eindhoven University of Technology

8.00  Registration, Piratensalen
8.45  Opening
9.00  Bang-Sup Song (UCSD) "LMS-based Digital Assisting for Data Converters"
9.45  Imran Ahmed (University of Toronto) "Pipelined ADC Digital Calibration Techniques and Tradeoffs"
10.30  Coffee break
11.00  Hans Van de Vel (NXP) "High-Resolution and Wide-Bandwidth CMOS Pipeline AD Converters"
11.45  Christian Vogel (ETH) "A Signal Processing View on Time-Interleaved ADCS"
12.30  Lunch
14.00  Georgi Radulov (Eindhoven University of Technology) "Smart and Flexible DA Converters, Classification and Design"
14.45  Martin Clara (Infineon) "Smart CMOS D/A-converters for Embedded Applications"
15.30  Coffee break
16.00  Panel discussion
19.00  Gala dinner, Pelarsalen

April 1  Filters on chip

Chairman Herman Casier

9.00  Lars Wanhammar (Linköping University) "Synthesis of Low-Sensitivity Analog Filters"
9.45  Aydin Karsilayan (Texas A&M University) "Continuous-Time Filters with On-Chip Tuning"
10.30  Coffee break
11.00 Andrea Baschirotto (University of Milano-Bicocca) "Source-Follower-Based Continuous Time Analog Filters",

11.45 Jan Vandenbussche (AnSem) "Reconfigurable Active-RC Filters with High Linearity and Low Noise for Home Networking Applications"

12.30 Lunch

14.00 Vaibhav Maheshwari (Delft University of Technology) "On-chip instantaneously companding filters for wireless communications"

14.45 Andreia Cathelin (STMicroelectronics) "BAW-IC Co-Integration Tunable Filters at GHz frequencies"

15.30 Coffee break

16.00 Panel discussion

19.00 Social dinner, Godset

April 2 Multimode transmitters
Chairman Michiel Steyaert
Catholic University, Leuven

8.00 Earl McCune (Panasonic) "Multimode Transmitters - Easier with Strong Nonlinearity"

8.45 Bo Berglund & Ulf Gustavsson (Ericsson) "Power Amplifiers for Base Stations Possibilities and Challenges"

9.30 Coffee break

10.00 Jan van Sinderen (NXP) "Multi-mode Transmitters in CMOS"

10.45 Patrick Reynaert (KULeuven) "Challenges for Mobile Terminal CMOS Power Amplifiers"

11.30 Lunch

13.00 Antoine Frappé (BWRC) "Multimode Transmitters with SD-based All-Digital RF Signal Generation"

13.45 Henrik Sjöland (Lund University) "Switched Mode Transmitter Architectures"

14.30 Coffee break

15.00 Panel discussion

16.00 Closing