

# Workshop on Advances in Analog Circuit Design



**AACD 2009**  
**Grand Hotel — Lund, Sweden**  
**March 31 – April 2, 2009**  
[www.ericsson.com/aacd2009](http://www.ericsson.com/aacd2009)



Ericsson will organize the 18th Workshop on Advances in Analog Circuit Design in 2009. The aim of the workshop is to bring together people who are advancing the frontiers of analog circuit design, and to brainstorm on new possibilities and future developments. For 2009 the workshop is held in Lund, an international hot spot for cellular handset design.

IEEE SSCS



Swedish  
chapter

## Program

### March 31 — Smart Data Converters (Arthur van Roermund, Eindhoven Univ. of Technology)

- "LMS-based Digital Assisting for Data Converters", Bang-Sup Song, University of California, San Diego, USA
- "Pipelined ADC Digital Calibration Techniques and Tradeoffs", Imran Ahmed, University of Toronto, Canada
- "High-Resolution and Wide-Bandwidth CMOS Pipeline AD Converters", Hans Van de Vel, NXP, Eindhoven, Netherlands
- "A Signal Processing View on Smart Converters", Christian Vogel, ETH, Zurich, Switzerland
- "Smart and Flexible DA Converters, Classification and Design", Georgi Radulov, Eindhoven University of Technology, Netherlands
- "Smart CMOS D/A-converters for Embedded Applications", Martin Clara, Infineon, Villach, Austria

### April 1 — Filters on chip (Herman Casier)

- "Synthesis of Low-Sensitivity Analog Filters", Lars Wanhammar, Linköping University, Linköping, Sweden
- "Continuous-Time Filters with On-Chip Tuning", Jose Silva-Martinez and Aydin Karsilayan, Texas A&M University, USA
- "Source-Follower-Based Continuous Time Analog Filters", Andrea Baschiroto, University of Milano-Bicocca, Italy
- "Reconfigurable Active-RC Filters with High Linearity and Low Noise for Home Networking Applications", Jan Vandenbussche and Jan Crols, AnSem n.v. Heverlee, Belgium
- "On-chip instantaneously companding filters for wireless communications", Vaibhav Maheshwari and Wouter A. Serdijn, Delft University of Technology, Netherlands
- "BAW-IC Co-Integration Tunable Filters at GHz frequencies", Andrea Cathelin, Stephane Razafimandimby and Andreas Kaiser, STMicroelectronics, Grenoble, France and IEMN-ISEN, Lille, France

### April 2 — Multimode transmitters (Michiel Steyaert, Catholic University, Leuven)

- "Multimode Transmitters - Easier with Strong Nonlinearity", Earl McCune, Panasonic, USA
- "Power Amplifiers for Base Stations Possibilities and Challenges", Bo Berglund, Ericsson, Sweden
- "Multi-mode Transmitters in CMOS", Manel Collados, Xin He, Jan van Sinderen and Raf Roovers, NXP, Netherlands
- "Challenges for Mobile Terminal CMOS Power Amplifiers", Patrick Reynaert, KULeuven, Belgium
- "Multimode Transmitters with SD-based All-Digital RF Signal Generation", Antoine Frappé, BWRC, USA
- "Switched Mode Transmitter Architectures", Henrik Sjöland, Lund University, Sweden

Scientific Committee

Arthur van Roermund

Herman Casier

Michiel Steyaert

Organizing Committee

Sven Mattisson

Lars Tilly

Contact information

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