Session 3A: Designs and Tools for Analogue and Mixed Signal ICs

Moderators: M. Gronroos, Nokia Mobile Phones, Finland, and F. Maloberti, University of Pavia, Italy

Analogue and mixed signal integrated circuits with emphasis on low power and switched current design approaches are presented together with synthesis tool for analogue modules.

Low-Voltage Low-Power Switched-Current Circuits and Systems
  N. Tan and S. Eriksson

Low Supply Voltage, Low Noise Fully Differential Programmable Gain Amplifiers
  A. Pletersek, D. Strle and J. Trontelj

A Universal Telephone Audio Circuit with Loudhearing and Handsfree Operation in CMOS Technology
  K. Hayat-Dawoodi, O. Alminde, V. Kunc, and M. Pauritsch

A Flexible Topology Selection Program as Part of an Analog Synthesis System
  P. Veselinovic, D. Leenaerts, W. van Bokhoven, F. Leyn, F. Proesmans, G. Gielen, and W. Sansen