

SEMINAR ANNOUNCEMENT

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
Faculty of Engineering
4 Engineering Drive 3, Singapore 117576
Tel: (65) 65162109 Fax: (65) 67791103
Website: <http://www.ece.nus.edu.sg>



DVD replay of ISSCC 2007 Tutorial and Promotion of ISSCC 2009

Organized by
Dept of ECE, NUS and
IEEE Solid-State Circuits Society Singapore Chapter

TOPIC	: Continuous-Time $\Delta\Sigma$ Data Converters
SPEAKER	: Yiannos Manoli Chair of Microelectronics University of Freiburg, Germany
DATE	: 22 August 2008 (Friday)
TIME	: 3.00 pm to 6.00 pm
VENUE	: E3-06-09, Engineering block E3, NUS

ABSTRACT

While technologies are continuing to provide us with ever faster transistors they also demand that we work at lower supply voltages. The analog designer has to search for new concepts to counteract the reduction of signal swings and increase in power. Although time-continuous circuits are anything but new, they are gaining a renewed interest not only in the academic, but also in the industrial community. With the main focus on baseband applications, different aspects of continuous-time modulators will be covered when operated under low-power and low-voltage constraints; Architectures for baseband applications; Implicit anti-aliasing filter; Influence of non-idealities and correction techniques; Implementations (low power, ultra wideband, high performance).

SLIDES PRESENTATION

"How to write good ISSCC papers" by *Jan van de Spiegel and Kenneth Smith*.

Presented by Associate Professor Xu Yong Ping.

BIOGRAPHY

Yiannos Manoli holds the Chair of Microelectronics at the University of Freiburg, Germany. His current research interests lie in the design of low-voltage and low-power mixed-signal CMOS circuits, sensor read-out circuits as well as A/D- and D/A-converters with over 150 papers in these areas. He holds a B.A. degree in Physics and Mathematics, a M.S. degree in electrical engineering and computer science from the University of California, Berkeley, and the Dr. Ing. Degree in electrical engineering from the Gerhard Mercator University in Duisburg, Germany.

REMARKS

All are welcome! Admission is free and refreshment will be served.

Pre-registration will be required.

Kindly register with Ms Diana Ng of ECE Dept by **21 August 2008 (12noon)**, either by Tel: 6516 2109; Fax: 6779 1103; or Email: diana_ng@nus.edu.sg