



DIMES Workshop
Sensors and Sensor Networks: A VLSI Design Perspective
Date: December 1, 2008
Location: TU Delft, Aula Congress Centre, Collegezaal C

The emergence of sensors in many aspects of human life is self-evident today. In this workshop we will explore the role of integration in sensing technology, with emphasis on smart sensors for medical, bio-science, physics, and engineering applications.

Program:

- 08:30 Welcome with coffee, registration
09:00 **Prof.dr.ir. Jacob Fokkema**, Rector Magnificus, TU Delft
Opening and Introduction
09:15 **Prof. Sandro Carrara**, University of Bologna and EPFL
Nanotechnology and Chip-Arrays: new tools for Personalized and Cell Therapies
09:45 **Dr. Roland Thewes**, Qimonda
CMOS Sensor Arrays for Bio Molecule Detection
10:15 **Dr. Robert Henderson**, University Of Edinburgh
Time-Correlated Single-photon Micro-fluorimetry
10:45 Coffee
11:15 **Dr. David Stoppa**, Fondazione Bruno Kessler
CMOS Image Sensors for Advanced Applications
11:45 **Dr. Renato Turchetta**, Rutherford Appleton Laboratory
CMOS Image sensors in a quadruple-well technology
12:15 Lunch
13:00 **Dr. Kofi Makinwa**, Faculty of EEMCS, TU Delft
Smart Sensor Design: The Art of Compensation and Cancellation
13:30 **Prof. dr. John Long**, Faculty of EEMCS, TU Delft
Energy-efficient Wireless Front-end Concepts for Ultra Lower Power
Radio Applications

Please register on the website: <http://ens.ewi.tudelft.nl/symposium/>

Organisation: Prof. Edoardo Charbon, Faculty of EEMCS, TU Delft