

MIMOSA/e-CUBES Workshop at ESSDERC/ESSCIRC 2006

Technologies for ambient intelligence

Date: September 22nd, 2006

Place: Congress Center, Montreux, Switzerland

Workshop technical co-chairs: *Pascal Ancey, Werner Weber*

Organization committee: *Paolo Dainesi, Adrian Ionescu*

8:30 – 10:00 **SESSION 1: MIMOSA, e-CUBES and Healthy Aims IPs overview**
Chair: Paolo Dainesi, EPFL, Switzerland

- 8:30 – 8:45 **Opening and short introduction** – Paolo Dainesi, EPFL
- 8:45 – 9:10 **“Overview of Integrated Project MIMOSA”** – Pascal Ancey, ST, Crolles, France
- 9:10 – 9:35 **“Overview of Integrated Project e-CUBES”** – Werner Weber, Infineon, Germany
- 9:35 – 10:00 **“Overview of Integrated Project Healthy Aims”** – Diana Hodgins, ETB, UK
- 10:00 – 10:30 *Coffee Break*
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10:30 – 12:00 **SESSION 2: Technical presentations from MIMOSA IP**
Chair: Pascal Ancey, STMicroelectronics, France

- 10:30 – 11:00 *Keynote presentation:*
“Architecture for Mobile Terminal Centric Ambient Intelligence”
Vladimir Ermolov, Nokia Research, Finland,
- 11:00 – 11:15 **“m-Sensors and User Interfaces for Mobile Services and Applications”**, – Jörg Eichholz, Fraunhofer ISIT, Germany
- 11:15 – 11:30 **“Monolithically integrated MEMS oscillator”**, – Aarne Oja, VTT, Finland
- 11:30 – 11:45 **“Thin SOI NEMS accelerometers Compatible with in-IC integration”** – Eric Ollier, CEA-LETI, France
- 11:45 – 12:00 **“How to connect battery powered sensor nodes - a MEMS-based low power receiver at 2.4GHz”** – Franz Pengg, CSEM, Switzerland

12:00 – 13:20 *Lunch Break*

13:20 – 14:30 **SESSION 3:** *Technical presentations from e-CUBES IP*
Chair: Werner Weber, Infineon, Germany

13:20 – 13:50 *Keynote presentation:*
“Wireless sensor research at Hitachi”
Kazuo Yano, Hitachi, Japan

13:50 – 14:10 **“17GHz radio”** – *Speaker to be decided*, Philips

14:10 – 14:30 **“3D integration technologies”** – Peter Ramm, Fraunhofer IZM,
Munich, Germany.

14:30 – 15:00 *Coffee Break*

15:00 – 16:30 **PANEL SESSION**
Chair: Hermann Schumacher, University Ulm, Germany

15:00 – 15:30 **“MIMOSA scenarios and roadmap”** – Eija Kaasinen, VTT, Finland

15:30 – 16:30 **“Round Table Discussion”**

Panellists:

- Vladimir Ermolov, Nokia, Finland
- Kazuo Yano, Hitachi, Japan
- Pascal Ancey, ST, France
- Werner Weber, Infineon, Germany
- Diana Hodgins, ETB, UK
- Eija Kaasinen, VTT, Finland
- Co Van Veen, Philips, The Nederland
- Pierre Nicole, Thales, France

Topics:

- Aml concepts & technologies
- Business & markets
- Impact on research & teaching in Europe

16:30 *End of the workshop*
