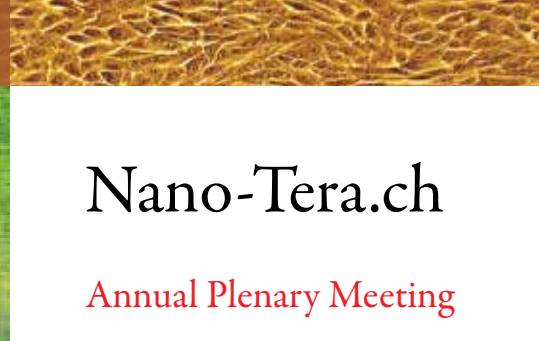
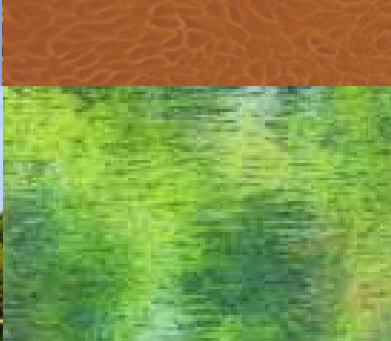


Location

Intermezzo conference room,
Allegro Grand Casino Kursaal,
Kornhausstrasse 3,
CH-3000 Bern 5



SWISS SCIENTIFIC INITIATIVE
FOR ENGINEERING COMPLEX
SYSTEMS IN HEALTH,
SECURITY AND ENVIRONMENT



Nano-Tera.ch

Annual Plenary Meeting

April 29th, 2010





Agenda

08.30 Welcome coffee

- 09.00 Welcome introduction
Dr. Peter Bradley, Executive Director
Prof. Giovanni De Micheli, Program Leader & Excom chair
- 09.15 Keynote presentation, Dr. Rudy Lauwereins, CTO of IMEC
The wetware-hardware interface: three ways of interfacing our brain to a computer
- 10.15 RTD project **CabTuRes**, Prof. Christofer Hierold, ETHZ
Enabling autonomous sensor nodes: low-power nano-sensor/electronics building blocks based on tunable carbon nanotube electro-mechanical resonators
- 10.40 RTD project **CMOSAIC**, Prof. John Thome, EPFL
3D stacked architectures with interlayer cooling
- 11.05 RTD project **IrSens**, Prof. Jérôme Faist, ETHZ
Integrated sensing platform for gases and liquids in the near and mid-infrared range
- 11.30 RTD project **LiveSense**, Prof. Philippe Renaud, EPFL
Cell-based sensing microsystem
- 11.55 Lunch & Poster session**
- Newly selected RTD 2010 projects
- PhD, PostDoc posters on running projects

- 14.10 RTD project **MIXSEL**, Prof. Ursula Keller, ETHZ
Vertical integration of ultrafast semiconductor lasers for wafer-scale mass production
- 14.35 RTD project **NanowireSensor**, Prof. Christian Schönenberger, UniBas
Integrateable silicon nanowire sensor platform
- 15.00 RTD project **Nexray**, Dr. Alex Dommann, CSEM
Network of integrated miniaturized X-ray systems operating in complex environments
- 15.25 Coffee break**
- 15.45 RTD project **SelfSys**, Prof. Jürgen Brugger, EPFL
Fluidic-mediated self-assembly for hybrid functional micro/nanosystems
- 16.10 RTD project **SlmOS**, Prof. Peter Ryser, EPFL
Smart implants for orthopaedics surgery
- 16.35 RTD project **TecInTex**, Prof. Gerhard Tröster, ETHZ
Technology integration into textiles: empowering health
- 17.00 Appetizers & Poster session
- Newly selected RTD 2010 projects
- PhD, PostDoc posters on running projects
- 18.30 End of event**
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