

Second Workshop on CNT RF NEMS and Hybrid CMOS-CNT RF Integrated Circuits

27th November 2009

**Swiss Federal Institute of Technology (EPFL), Lausanne, Switzerland
Room CO 015**

- 8:30 Registration**
- 9:00 Welcome address, introduction**
- 9:10 John Robertson, University of Cambridge, UK
Growth Processes for Carbon Nanotube Mats**
- 9:40 Laszlo Forro, EPFL, Switzerland
Growth and Mechanical Properties of Carbon Nanotubes**
- 10:10 H el ene Le Poche, CEA-LITEN, France
Growth Control of Vertical Carbon-Nanotube Membranes for Micro-Electro-Mechanical Capacitor Building (Nano-RF Project)**
- 10:40 Christophe Canales, Imina Technologies, Switzerland
Imina Nano-Manipulation Platform: A Novel Tool for Manipulation and Electrical Probing of CNTs**
- 10:50 Coffee break**
- 11:20 Adrian Bachtold, Catalan Institute of Nanotechnology, Spain
Nanotube ElectroMechanical Resonators**
- 11:50 Luca Pierantoni, Universit a Politecnica delle Marche, Italy
Frequency- and Time-Domain Techniques for the Full-Wave Characterization of CNT Nanodevices**
- 12:20 Buffet lunch**
- 13:30 Yael Hanein, Tel-Aviv University, Israel
Carbon Nanotube Integration into Microfabricated Devices**
- 14:00 Anupama Arun, EPFL, Switzerland
CNT Array Suspended-Gate FET for Resonator Application (Nano-RF Project)**
- 14:30 Johan Ek-Weis, University of Edinburgh, UK
Fabrication and Characterisation of Varactors based on Arrays of Multiwalled Carbon Nanotubes (Nano-RF Project)**
- 15:00 Florin Udrea, University of Cambridge, UK
Nanomaterials on CMOS-based Gas Sensors**
- 15:30 Conclusion**