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POLITECNICO DI MILANO



**Organizing committee:**

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Prof. Andrea Lacaita  
*Department of Electronics and Information*

Prof. Guglielmo Lanzani  
*Department of Physics*

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*Department of Chemistry, Materials, and Chemical  
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**No registration required**

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Milano, January 21, 2010

The VTT - Technical Research Centre of Finland is the biggest multitechnological applied research organisation in Northern Europe. With its 2700-person staff, VTT produces research services that creates the prerequisites for growth, employment, and wellbeing of the society. Partnership agreements with several top European universities and research organizations and a stabilized co-operation with the most remarkable European research institutes and networks in all levels characterizes the activities of VTT. VTT's technological focus areas are applied materials, bio- and chemical processes, energy, information and communication technologies, industrial systems management, micro- and nanoelectronics, and technology in the community. The Politecnico di Milano hosts the visit of VTT fostering strategic collaboration with selected top-level research partners as a way to strengthen its role in developing European research and innovation system.

### Introductory Addresses

**9:00 Giovanni Azzone**

*Vice Rector, Politecnico di Milano*

**Pierangelo Metrangolo**

*Associate Professor at Politecnico di Milano*

*Research Professor of Molecular*

*Recognition@VTT*

### Scientific Session

Chairman: **Giuseppe Resnati**

**9:30 Jussi Tuovinen**

*Vice President, R&D, Microtechnologies and Sensors*

*"Introduction to VTT and Overview of the Electronics Research"*

**10:00 Aarne Oja**

*Vice President, Strategic Research, Microtechnologies and Electronics*

*"MEMS Sensors and other Microsystems at VTT"*

**Thursday, January 21, 2010**

**09:00-18:00**

**Aula Beltrami**

**Piazza L. Da Vinci 32**

**20133, Milano, Italy**

**10:30 Markus Linder**

*Research Professor of Functional Materials at VTT*  
*"Biomolecular Engineering for Nanomaterials"*

**11:00** Coffee break

Chairman: **Andrea Lacaita**

**11:30 Attilio Citterio**

*DCMIC "Giulio Natta"*

*"Chemical Opportunities in Bioscience"*

**12:00 Roberta Ramponi**

*Department of Physics*

*"Microfluidics Technology and Applications"*

**12:30 Sergio Cova**

*Department of Electronics and Information*

*"Single-Molecule Spectroscopy Applications of Single-Photon Avalanche Diode Arrays"*

**13:00** Buffet lunch

Chairman: **Guglielmo Lanzani**

**14:30 Andrea Li Bassi**

*Department of Energy*

*"Micro and Nanostructured Materials and Surfaces"*

**15:00 Roberto Piazza**

*DCMIC "Giulio Natta"*

*"From Soft Matter to Biotechnology: Hints for Novel Concepts and Methods"*

**15:30** Coffee break

Chairman: **Carlo Bottani**

**16:00 Gianluca Valentini**

*Department of Physics*

*"BIO-Imaging"*

**16:30 Marco Sampietro**

*Department of Electronics and Information*

*"High Sensitivity Electronics for Nanobiosensors and MEMS"*

**17:00** Concluding remarks