



Monday 13 and Tuesday 14 December 2004
Dipartimento di Fisica Sperimentale, Via Pietro Giuria 1, Torino

Scanning Probe Microscopy and Nanotechnology

Monday 13 – Aula Magna

- **14.30 - 14.45** **Claudio Manfredotti** – Introduction
NIS Torino (I)
- **14.50 - 15.30** **Alexander Shlürger** – Measuring the force of individual surface ions
University College London (UK)
- **15.30 - 16.10** **Florence Marchi** – Atomic Force Microscopy and related techniques:
new ways and tools to explore the nanoworld
University of Grenoble, UJF-LEPES/CNRS (F)

BREAK

- **16.40 - 17.20** **Paolo Samorì** – Scanning probe microscopies beyond imaging
ISOF – CNR Bologna (I)
- **17.20 - 18.00** **Serena Bertarione** – Imaging the surface morphology on nanostructured materials by atomic force microscopy
NIS Torino (I)

Tuesday 14 – Aula A

- **9.00 - 9.40** **Ugo Valbusa** – The nanostructure zoo
Università di Genova (I)
- **9.40 - 10.20** **Giorgio Mori** – Chemical and transport properties of nanostructures fabricated by local anodic oxidation
INFM - TASC Trieste (I)
- **10.20 - 11.00** **Chiara Manfredotti** – Nanofunctionalization of diamond surfaces by local anodic oxidation
NIS Torino (I)

BREAK

- **11.30 - 12.10** **Pasqualantonio Pingue** – The *Nanoworker*: a user-friendly approach to SPM-based nanolithography and nanomanipulation
NEST - INFM Pisa (I)
- **12.10 - 12.50** **Thomas Muehl** – STM-based nanolithography of diamond-like carbon films
IFW Dresden (D)

