



NIS Colloquium

Microanalysis and micromodification of materials by ion beams

Torino, Tuesday 19 and Wednesday 20 December, 2006

Istituto Chimico – Via Pietro Giuria 7

Organizers: Claudio Manfredotti and Ettore Vittone

PROGRAM

Tuesday 19th – Aula Magna

- 14¹⁵ – 14³⁰ **Adriano Zecchina** – NIS Torino (I)
Opening and NIS presentation
- 14³⁰ – 14⁴⁵ **Claudio Manfredotti** – NIS Torino (I)
“Applications of ion microscopy: an introduction”
- 14⁴⁵ – 15³⁰ **Pier Andrea Mando’** – LABEC, Firenze (I)
“The external beams and microbeams of LABEC (Florence)”
- 15³⁰ – 16¹⁵ **Lucio Calcagnile** – CEDAD, Lecce (I)
“Development and applications of ion and laser beam techniques at CEDAD”
- 16¹⁵ – 16⁴⁵ **Coffee break**
- 16⁴⁵ – 17³⁰ **Dietmar Fink** – Hahn-Meitner-Institut, Berlin (D)
“Ion track based nanoelectronics with solid or liquid working media”
- 17³⁰ - 18¹⁵ **Paolo Olivero** – MARC, Melbourne (AU)
“Modification and nano-fabrication of diamond crystals with focused ion beams”

Wednesday 20th – Aula Avogadro

- 09³⁰ – 10¹⁵ **Ettore Vittone** – NIS Torino (I)
“Semiconductor characterization by scanning ion beam induced charge (IBIC) microscopy”
- 10¹⁵ – 11⁰⁰ **Paul Sellin** – University of Surrey (UK)
“IBIC studies of charge transport in wide bandgap semiconductors”
- 11⁰⁰ – 11³⁰ **Coffee break**
- 11³⁰ – 12¹⁵ **Milko Jakšić** – Ruđer Bošković Institute, Zagreb (HR)
“Characterisation of materials and radiation damage induced changes using heavy ion beams”
- 12¹⁵ – 12³⁰ **Concluding remarks**