

Secondo convegno congiunto SILS-SISN XIX Convegno Nazionale SILS, XXII Convegno Nazionale SISN Trieste, 1-3 Settembre 2011

Aula Magna della sede "Androna Baciocchi" dell'Università di Trieste

Final Program

Thursday, 1 September 2011

08.00-09.15 *Registration*

09.15-09.30 **C. Mariani (SILS) and P. Mariani (SISN).** *Introductory remarks*

Session 1

09.30-10.00 **I1 – A. TALEB-IBRAHIMI** (CNRS/Synchrotron SOLEIL, France)
"Recent progress on advanced materials by SR based photoelectron Spectroscopy"

10.00-10.15 **O1 – L. Paolasini** "Giant magnetoelastic interaction in UFe_2 "

10.15-10.30 **O2 – C. Mazzoli** "SCES investigation via X-ray magnetic resonant techniques"

10.30-11.00 *Coffee break*

11.00-11.15 **O3 – M. Minola** "Magnon dispersion in $(CaCuO_2)_n(SrTiO_3)_n$ superlattices studied with high resolution Resonant Inelastic X-ray Scattering"

11.15-11.30 **O4 – M. Coreno** "Photoionization Experiments in the Gas Phase"

11.30-11.45 **O5 – A. Verdini** "RESPED. a novel tool for novel surface structure studies"

11.45-12.45 **poster session**

12.45-14.00 *lunch*

Session 2

14.00-14.30 **I2 – D. MORINEAU** (CNRS, Institut de Physique de Rennes, France)
"Discotic and calamitic phases in nanotubes"

14.30-14.45 **O6 – M. Amati** "Oxidation of Supported PtRh Particles. Size and Morphology Effects"

14.45-15.00 **O7 – M. Maccarini** "Structure and dynamics of PEG coated Au-nanoparticles"

15.00-15.15 **O8 – D. Orsi** "An XPCS study of heterogeneous dynamics in a 2D gel"

15.15-15.30 **O9 – R. Mancinelli** "Acqua libera e acque confinate. somiglianze e differenze su varie scale spazio-temporali"

15.30-15.45 **O10 – C. Ziparo** "Neutron Diffraction Measurement of Molecular Hydrogen Population in Hexagonal Clathrate Hydrates"

15.45-19.30 *Guided tour to Fermi and welcome party at Elettra*

Friday, 2 September 2011

Session 3

SIMPOSIO Grandi Infrastrutture e presentazioni progetti PiK

09.00-09.20 **C. Rizzuto** (Presidente Sincrotrone Trieste)

09.20-09.35 **C. Petrillo** (Delegato FP7 Capacities Research Infrastructure)

09.35-09.50 **G. Rossi** (Delegato ESFRI)

09.50-10.05 **E. Puppini** (Presidente CNISM)

10.05-10.30 *coffee break*

10.30-10.45 **A. Franciosi** (Amministratore delegato Sincrotrone Trieste S.C.p.A)

10.45-11.00 **L. Paolasini** (in rappresentanza di F. Sette, Direttore Generale ESRF)

11.00-12.00 **Presentazione Progetti PIK**

12.00-13.00 *Discussione*

13.00-14.30 *lunch*

Session 4

- 14.30-15.15 **Incontro con responsabili dei CRG neutronica (IN13, BRISP, INES)**
15.15-16.00 **Incontro con responsabili di beam-line di luce di sincrotrone (ESRF, Elettra, Desy)**
- 16.00-17.30 *coffee break and poster session (clip on demand)*
- 17.30-19.30 Assemblee Generali (separate) SILS e SISN
- 20.30-23.30 *Social dinner*

Saturday, 3 September 2011

Session 5

- 09.00-09.30 **I3 – J. R. HELLIWELL** (*Univ. Manchester, UK*) "The growth of the importance of synchrotron X-radiation and neutrons in macromolecular crystallography"
- 09.30-09.45 **O11 – M.G. Ortore** "Synchrotron SAXS and FTIR experiments monitor the effects of high pressure on α -synuclein amyloid fibrils"
- 09.45-10.00 **O12 – L. Cantù** "Nanoscale structural response of ganglioside-containing aggregates to the interaction with sialidase"
- 10.00-10.15 **O13 – P. Calligari** "*Stati corrispondenti* nell'adattamento delle proteine a condizioni ambientali estreme. un approccio combinato di simulazione molecolare, esperimenti e modelli teorici"
- 10.15-10.30 **O14 – S. Nazzareni** "High-pressure behaviour of gypsum. a synchrotron and neutron diffraction study"
- 10.30-11.00 *Coffee break and poster session (continuation)*

Session 6

- 11.00-11.30 **I4 – D. ARGYRIOU** (*Science Director, ESS, Lund, Sweden*)
- 11.30-11.45 **O15 – E. Guarini** "Efficient multiple scattering evaluation via Monte Carlo integration for ToF neutron spectrometers with extended detection geometry"
- 11.45-12.00 **O16 – L. Sciortino** "High resolution XRD and EXAFS analysis of nanocrystalline cobalt samples"
- 12.00-12.15 **O17 – U. Bafile** "Effetti non gaussiani nella dinamica *self* dell'idrogeno liquido. diffusione di neutroni e simulazione quantistica"
- 12.15-12.30 **O18 – G. Biccocchi** "SANS/VSANS investigation of porosity microstructure in rocks from a natural CO₂ reservoir"
- 12.30-13.00 *young researchers award and closing remarks*