

XXIX Congresso Annuale SISN Italian Neutron Scattering Conference

Parma 4 - 6 Luglio 2018

Programma

Mercoledì 4 Luglio 2018

Università di Parma, Campus Universitario Area Scienze

Centro Congressi S. Elisabetta

OLTRE 30 ANNI DI COLLABORAZIONE ITALIANA CON ISIS NEUTRON AND MUON SOURCE (UK)

- 14.00 Registrazione
- 14.15 Benvenuto e saluti
Fabio Bruni, Presidente SISN
Roberto Fornari, Pro Rettore con delega per la Ricerca - Università di Parma
- 14.30 **Keynote lecture**

ISIS: PAST, PRESENT AND FUTURE
Robert McGreevy, ISIS-STFC
- 15.15 Neutron diffraction for cultural heritage studies: the Italian Neutron Experimental Station INES@ISIS
Antonella Scherillo, ISIS-STFC
- 15.45 When symmetry and neutrons help understanding materials properties
Fabio Orlandi, ISIS-STFC
- 16.15 Giornate Didattiche, Summer and Advanced SISN Schools
Eleonora Guarini, Università di Firenze
- 16.30 Coffee Break & Poster Session**
- 17.00 Fingerprints of Mn₁₂, the forefather of molecular nanomagnets
Paolo Santini, Università di Parma
- 17.30 Neutron techniques and the study of arms and armour
Alan Williams, The Wallace Collection
- 17.50 Carbon nanostructures for energy-storage applications
Daniele Pontiroli, Università di Parma
- 18.20 The analysis of some Indo-Persian daggers from the Wallace Collection at the Italian Neutron Experimental Station, ISIS, Didcot, and their results.
David Edge, The Wallace Collection
- 18.40 Conclusioni

Gli interventi in questa sessione saranno in inglese. La partecipazione alla sessione è libera.

Giovedì 5 Luglio 2018

Università di Parma, Campus Universitario Area Scienze

Centro Congressi S. Elisabetta

8.30 Registrazione

I SESSIONE SCIENTIFICA

- 9.00 Evidence of a low temperature dynamical transition in concentrated microgels
Andrea Orecchini, Università di Perugia
- 9.30 Can multiple neutron scattering be computed without knowing the scattering law?
Ubaldo Bafile, IFAC-CNR
- 9.50 Ice XVII: structural and dynamical properties of the new form of porous ice
Leonardo Del Rosso, IFAC-CNR
- 10.10 Anisotropy of Co^{II} transferred to the Cr₇Co polymetallic cluster via strong exchange interactions
Elena Garlatti, ISIS-STFC
- 10.30 Magnetic Exchange and Crystal Field excitations of asymmetric Lanthanide dimers: An INS insight
Riaz Hussain, Università di Parma
- 10.45 The effects of manufacturing processes on historical ceramic morphology studied by Small Angle Neutron Scattering
Sandro Zorzi, Università Ca' Foscari Venezia

11.00 Coffee break

II SESSIONE SCIENTIFICA

- 11.30 Directional insertion of cone-shaped channel protein in model membranes by neutron reflectometry and electrophysiology
Laura Cantù, Università di Milano
- 12.00 Physico-chemical insights into Cardiolipin-containing Lipid Bilayers
Giuseppe Vitiello, Università di Napoli "Federico II"
- 12.20 Neutron reflectivity of layers formed by nanoparticle-surfactant complexes at the oil/water interface
Davide Orsi, Università di Parma
- 12.40 Short-time self-diffusion of immunoglobulin under different crowding conditions
Marco Grimaldo, Institut Laue-Langevin
- 12.55 Presentazione XP Power
Simone Torti, XP Power (Italy)

13.10 PRANZO & POSTER SESSION

III SESSIONE SCIENTIFICA

- 14:30 Neutron and synchrotron-based techniques for material science
Barbara Rossi, Elettra Sincrotrone Trieste
- 14.50 Modelling Option USANS upgrade: the project OPUS for LoKI@ESS and the upgrade of D11@ILL
Claudia Mondelli, CNR-IOM
- 15.10 Irradiation facilities for neutron detector testing and calibration
Roberto Bedogni, INFN-LNF
- 15.30 The VESPA project: Phase I completed
Stefano Bellissima, IFAC-CNR
- 15:50 **UPDATE SUI PROGETTI ITALIANI PER ESS**
- 16.30 Coffee break**
- 17.00 **ASSEMBLEA DEI SOCI SISN**
-
- 20.30 **CENA SOCIALE**
Ristorante “Il Cortile”,
Borgo Paglia 3, Parma

Venerdì 6 Luglio 2018

Università di Parma, Campus Universitario Area Scienze

Centro Congressi S. Elisabetta

IV SESSIONE SCIENTIFICA

- 9:00 Hydrogen Bond Length as a Key to Understanding Sweetness
Maria Antonietta Ricci, Università di Roma Tre
- 9.20 Trehalose Protectant Activity for peptide hydration
Michael Di Giacchino, Università di Roma Tre
- 9.35 Neutron scattering on gelatin: relevance for analog modelling
Silvia Brizzi, Università di Parma
- 9.50 Neutron scattering for sustainable energy materials: investigations of proton dynamics in acceptor-doped barium zirconates
Daria Noferini, JCNS @ Heinz Maier-Leibnitz Zentrum
- 10.10 Hydrogen dynamics in complex borohydrides
Luca Silvi, Helmholtz Zentrum Berlin
- 10.30 On the slowing down of 14 MeV fusion neutrons: a spectrometry benchmark and future perspectives
Antonino Pietropaolo, ENEA
- 10.45 BRISP_X: a project for the upgrade of the BRISP spectrometer at the ILL
Ferdinando Formisano, CNR-IOM
- 11.00 Coffee break**
- 11.30 **GLI ACCORDI CON ILL E ISS: C'È UN FUTURO PER LA NEUTRONICA ITALIANA?**
Tavola Rotonda moderata da **Fabio Bruni**.
- 13.00 **CONCLUSIONI E SALUTI**

POSTERS

Probing Structure and Mobility of Proteins in the Amorphous State at Low Hydration

Ester Chiessi, Università di Roma Tor Vergata

The analysis of some Indo-Persian daggers from the Wallace Collection at the Italian Neutron Experimental Station, ISIS, Didcot, and their results.

David Edge, The Wallace Collection

In-situ gas-sorption neutron studies at ISIS

Mattia Gaboardi, Elettra Sincrotrone Trieste

Unravelling the origin of high temperature magnetic bistability in dysprosocenium by inelastic neutron scattering

Emilio Macaluso, Università di Parma

Upgrades at the high-resolution backscattering spectrometer SPHERES

Daria Noferini, JCNS @ Heinz Maier-Leibnitz Zentrum

Investigation on suitability of consolidant and protective products on Sicilian calcarenites using Small Angle Neutron Scattering

Luca Silvi, Helmholtz Zentrum Berlin

Neutron techniques and the study of arms and armour

Alan Williams, The Wallace Collection

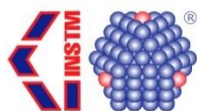
COMITATO ORGANIZZATORE

S. Carretta, A. Deriu, M. di Bari, L. Paduano, D. Pontiroli e M. Zanatta.

Con il patrocinio e il supporto di:



**UNIVERSITÀ
DI PARMA**



CAEN
Tools for Discovery



XP Power