

TUESDAY 28

Location: Benedetto XIII

8.30/10.30 Plenary session M2

8.30 Wernet Philippe

X-ray absorption spectroscopy for probing bonding, structure and ultrafast dynamics in water

9.00 Bergmann Uwe

Advanced hard X-ray spectroscopy - recent results on water and 3d transition metal systems

9.30 Falcone Roger

Time-Resolved X-Ray Absorption in materials in extreme conditions

10.00 Lee Richard

Perspective for High Energy Density Studies using X-ray Free Electron Lasers

11.00/13.00 Symposium S2

Advances in ultrafast spectroscopy using present and next generation x-ray sources

11.00 Chergui Majed

Ultrafast X-ray absorption spectroscopy of molecular systems in solution

11.25 Aziz Emad

Probing ultra-fast dynamics in aqueous solutions using soft x-ray techniques

11.50 Milne Chris

Ultrafast time-resolved x-ray absorption spectroscopy: watching atoms dance

12.15 Huse Nils

Direct observation of transient ligand-field changes in transition metal complexes via time-resolved soft x-ray spectroscopy

12.40 Young Linda

Laser-induced x-ray transparency in free atoms and molecules

11.30/13.30 Poster Session (continuation) PS1

15.30/17.30 Location: Ducal Palace

■ P3.1 Nano structures II Sala La Muta

15.30 d'Acapito Francesco

The Mn site in Mn-doped-As nanowires: an EXAFS study

15.50 Sainctavit Philippe

Magnetic memory of a single-molecule quantum magnet wired to a gold surface

16.10 Holub-Krappe Elizabeta

Correlation of magnetism and structure for ultra thin Au/Co/Au films: evidence for magnetoelastic effects

16.30 Erenburg Simon

Microstructure of quantum dots ensembles by EXAFS spectroscopy

16.45 Heigl Franziskus

XANES and photoluminescence studies of crystalline Ge and GeO₂ nanowires

17.00 Persson Andreas

On the spin reorientation of ordered magnetic nano-dot arrays: Pt/Co/Pt versus Au/Co/Au

17.15 Miyanaga Takafumi

Local structural change under antiferro and ferromagnetic transition in FeRh alloy

■ P3.2 Surface and Magnetism Allara e Grosso

15.30 Amemiya Kenta

Depth profiling of magnetic and atomic structures of ultrathin films by depth-resolved XMCD and XAFS techniques with a sub-nm depth resolution

16.00 Matsui Fumihiko

Resolving subsurface magnetism at atomic scale by diffraction spectroscopy

16.15 Abe Hitoshi

Surface antiferromagnetic coupling of Fe/Cu(001) induced by NO adsorption studied by means of depth-resolved XMCD method

16.30 Robert Frahm

In-situ investigation of Bi thin film condensation by surface sensitive X-ray absorption spectroscopy at cryogenic temperatures

16.45 López-Flores Víctor

Development of ReflEXAFS data analysis for deeper surface structure studies

17.00 Jiang De-Tong

Structural and electronic properties of tetracene thin films

17.15 Nefedov Alexei

NEXAFS characterization of the self-limiting monolayer growth of terephthalic acid on rutile TiO₂ (110)

■ P3.3 Time-resolved studies Aula Aranjó Ruiz

15.30 Allen Patrick

Application of single shot dispersive XAFS to study picosecond materials dynamics

15.50 Stern Edward

Picosecond time resolved response of the Ge lattice after femtosecond pulsed laser excitation

16.10 Fons Paul

Sub-nanosecond XAFS-based observations of optical switching in the phase-change alloy Ge₂Sb₂Te₅

16.30 Dau Holger

Photosynthetic water oxidation driven by Laser flashes and tracked by x-ray spectroscopy

16.50 Singh Jagdeep

In situ space and time resolved x-ray absorption spectroscopy: dynamic structure of platinum during kinetic oscillations of CO oxidation

17.10 van der Veen Renske

Retrieving photochemically active structures by time-resolved EXAFS spectroscopy

■ P3.4 Theory III Aula Betti

15.30 Da Pieve Fabiana

Spin polarized resonant photoemission from Fe

15.50 Di Matteo Sergio

Orbital and charge ordering detected by resonant x-ray scattering in strongly correlated electron systems.

16.10 Soininen Juha

X-ray Raman scattering: role of first-principles theory in the analysis

16.30 Suljoti Edlira

Subtleties of electron correlation in La 4d resonances

16.50 Rehr John

Calculation of optical constants and related quantities from optical to x-ray frequencies

17.10 Gordon Robert

Natural dichroism in the near-edge of cubic systems

18.00/20.00 Location: Ducal Palace

■ P4.1 Material Science II Sala La Muta

18.00 Azevedo Gustavo

Local structure study of RM_nO₅ R=Bi, Gd, Pr multiferroics with EXAFS

18.20 Meneghini Carlo

The local nature of 'disorder' in r₂FeMoO₆ double perovskites

18.40 Woicik Joseph

Effect of strain on the local atomic structure of LaSrCoO₃

19.00 Menushenkov Alexey

Double-well potential for oxygen ion vibrations in Nd_{1-x}Ce_xCuO_{4δ}

19.15 Nakajima Nobuo

A UV-induced uniaxial motion of body-centered titanium ions in perovskite titanates

19.30 Andreasson Pererik

Localizing oxygen vacancies in SrTiO₃ by 3d-impurities

19.45 Jiménez-Villacorta Félix

Local environment and electronic structure of Fe at the interface in magnetic granular iron-silicon nitride systems

■ P4.2 Biology I Allara e Grosso

18.00 Arcovito Alessandro

Structure and dynamics of heme protein using x-ray absorption spectroscopy

18.20 Hedman Britt

X-ray Absorption Spectroscopy edge studies of biological models and enzymes

18.40 Meyer-Klaucke Wolfram

Geometric and electronic structure of [Fe]-hydrogenase active site

19.00 Feiters Martin

Anion binding in biological systems

19.15 Giachini Lisa

Synergic approach to xafs analysis for the identification of unknown metal-sites in proteins

19.30 Stellato Francesco

Zinc binding effect on Cu coordination mode in prion protein octa-repeat subdomain

19.45 Nazarenko Elena

Regulatory site structure of Fe-metalled R protein: Quantitative XANES analysis

■ P4.3 Data analysis I Aula Aranjó Ruiz

18.00 Newville Matthew

Improvements in modeling EXAFS with many-pole self-energy and Feff8.5

18.20 Kuzmin Alexei

Quantum Mechanics-Classical Molecular Dynamics approach to EXAFS

18.40 D'Angelo Paola

Combined techniques in the structural investigation of ions in solution: the symbiosis XAS-Molecular Dynamics

19.00 Krayzman Victor

Simultaneous RMC fit of the total scattering and EXAFS data

19.20 Lenoir Thomas

Determining the number of species from multi-component XAFS data

19.40 Booth Corwin

Conventional error analysis in conventional EXAFS analysis: lessons from Nyquist and Fourier

■ P4.4 Related Phenomena Aula Betti

18.00 Glatzel Pieter

Chemical information in hard X-ray photon-in photon-out spectroscopy

18.20 Subias Gloria

Resonant x-ray scattering in 3d-transition-metal oxides: anisotropy and charge orderings

18.40 Ishii Masashi

Study of double-photon interaction for a single atom x-ray absorption spectroscopy

19.00 Schlappa Justine

Collective spin-excitations in a quantum spin ladder probed by high-resolution Resonant Inelastic X-ray Scattering

19.15 Herrero-Martin Javier

RXS to study the charge/orbital ordering in mixed valence transition metal oxides far from half doping

19.30 Zhou Kejin

The Metal-Insulator-Transition in VO₂ investigated by Resonant Inelastic X-ray Scattering

19.45 Vanko Gyorgy

Novel insights to cobalt 1s pre-edges with resonant X-ray emission spectroscopy