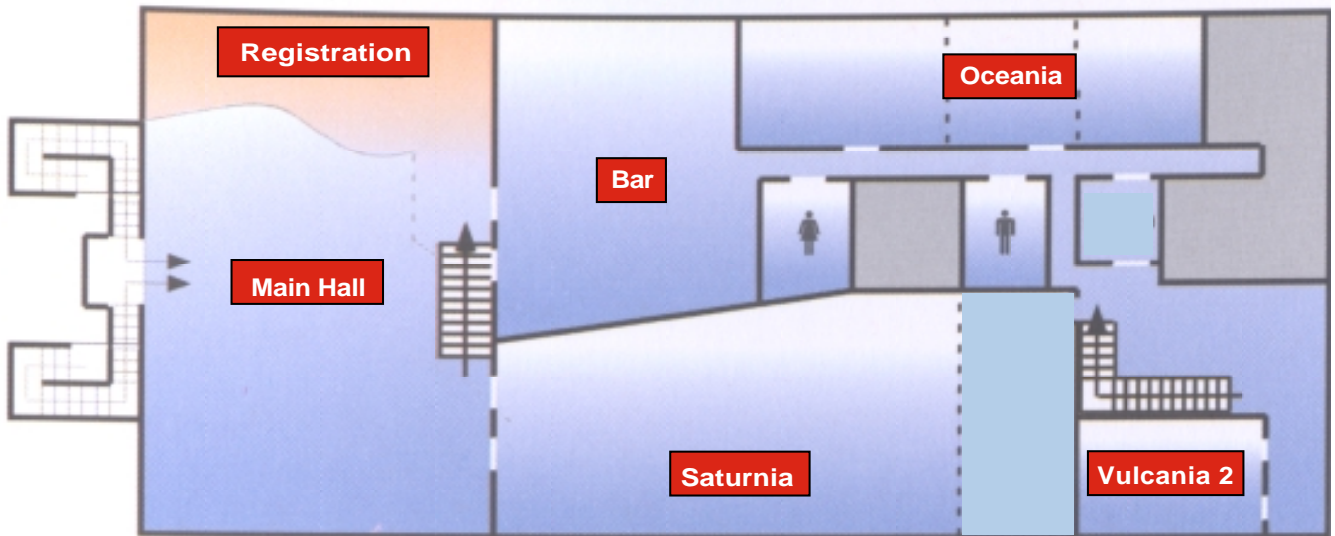
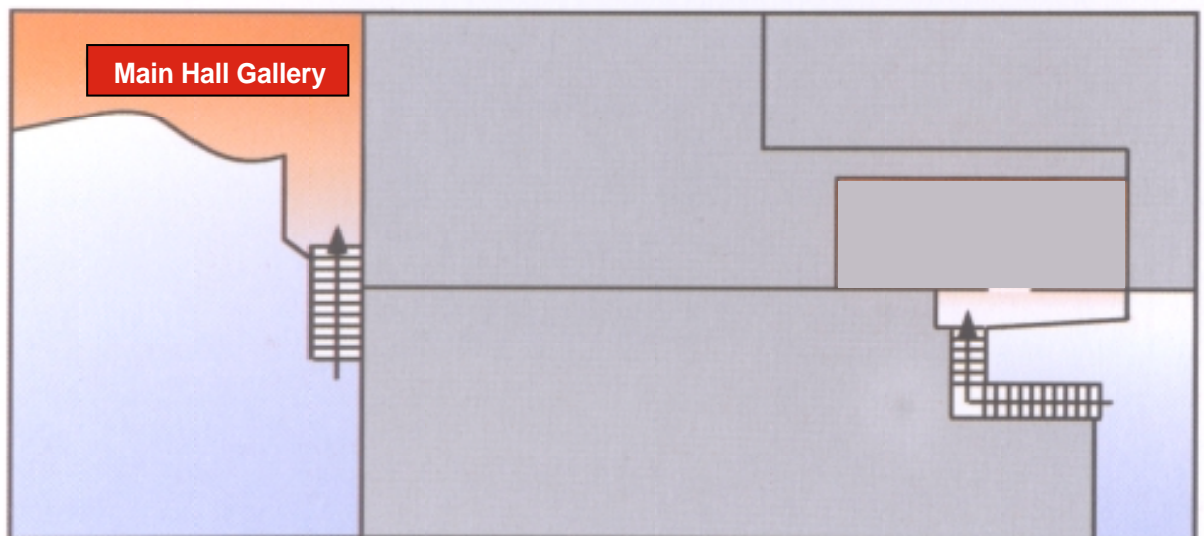


## Stazione Marittima Floor Plan

### First Floor



### Second Floor



### Legenda

#### First Floor

Main Hall	Registration, Scientific Secretariat, Industrial Exhibition
Saturnia	Plenary Sessions
Saturnia/Oceania	Parallel Sessions
Vulcania 2	Poster Sessions

#### Second Floor

Main Hall Gallery	Terminal Room
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**PROGRAM  
MONDAY, July 23**

**9:00 – 9:45**

**OPENING SESSION (SATURNIA)**

Chair: **G. Margaritondo** (EPFL, Lausanne)

9:00 – 9:45 Welcome and Introduction

**9:45 – 10:30**

**PLENARY SESSION (SATURNIA)**

Chair: **G. Margaritondo** (EPFL, Lausanne)

9:45 – 10:30 **O. Björneholm** (Uppsala University): Resonant core level studies of molecules and clusters: electronic structure and femtosecond dynamics.

**10:30 – 11:00**

**COFFEE BREAK**

**11:00 – 12:30**

**POSTER SESSION 1 (VULCANIA 2)  
ATOMIC AND MOLECULAR RESEARCH**

**12:30 – 2:30**

**LUNCH**

**2:30 – 4:30**

**PARALLEL SESSIONS**

*SATURNIA*

**ATOMIC AND MOLECULAR RESEARCH**

Chair: **M. N. Piancastelli** (University Tor Vergata, Rome)

2:30 – 3:00 **U. Hergenhahn** (Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin): Continuum structures in molecular photoionization.

3:00 – 3:30 **K. Ueda** (Tohoku University, Sendai): Nuclear motion, symmetry breaking and dissociation dynamics of core-excited polyatomic molecules.

3:30 – 4:00 **B. R. Lewis** (The Australian National University, Canberra): Comparative very-high-resolution VUV spectroscopy: laser spectroscopy of O<sub>2</sub>.

4:00 – 4:30 **L. Avaldi** (CNR-IMAI, Rome): Spectroscopy and dynamics in the photoionization of neon.

*OCEANIA*

**HIGH RESOLUTION SPECTROSCOPY**

Chair: **T. Greber** (University of Zürich)

2:30 – 3:00 **J. N. Andersen** (University of Lund): Simple metals - Simple core levels ?

3:00 – 3:30 **S. Suga** (Osaka University): Recent development in soft X-ray spectroscopy of correlated materials: high resolution absorption and bulk sensitive photoemission.

3:30 – 4:00 **P. Perfetti** (CNR-ISM, Rome): Observation of low dimensional behaviour of electronic structures in one-dimensional In-rows of clean InAs(001)4x2-c(8x2) surface.

**4:30 – 5:00**

**COFFEE BREAK**

*SATURNIA*INELASTIC SCATTERINGChair: **H. Aksela** (University of Oulu)5:00 – 5:30 **J. E. Rubensson** (Uppsala University): Fluorescence from doubly excited states of helium.5:30 – 6:00 **M. Krisch** (ESRF, Grenoble): X-ray Raman scattering from low Z materials.6:00 – 6:30 **C. S. Fadley** (University of California at Davis): Core-level spectroscopy, diffraction and holography: recent developments and future prospect.*OCEANIA*ADVANCED MATERIAL RESEARCHChair: **A. Franciosi** (TASC-INFM, Trieste)5:00 – 5:30 **L. J. Terminello** (LLNL – University of California, Livermore): Nanocluster properties characterized using soft X-ray spectroscopies.5:30 – 6:00 **P. Aebi** (University of Fribourg): Angle-scanned photoemission on switchable mirrors.6:00 – 6:30 **E. Di Fabrizio** (TASC-INFM, Trieste): Novel zone plate doublet for differential interference contrast microscopy fabricated by means of electron beam lithography.

**PROGRAM  
TUESDAY, July 24**

<b>9:00 – 10:30</b>	<b>PARALLEL SESSIONS</b>	
<i>SATURNIA</i> <b><u>INTERFACES</u></b>	<i>OCEANIA</i> <b><u>COHERENCE TECHNIQUES &amp; NOVEL SOURCES I</u></b>	
Chair: <b>A. Taleb-Ibrahimi</b> (LURE, Orsay)	Chair: <b>R. P. Walker</b> (Sincrotrone Trieste)	
9:00 – 9:30 <b>G. Le Lay</b> (CRMC2-CNRS, Marseille): Dynamical effects at the order-disorder reversible phase transitions of Sn and Pb on the Ge and Si(111) surfaces.	9:00 – 9:30 <b>J. Feldhaus</b> (HASYLAB at DESY, Hamburg): Single pass free electron lasers for short wavelengths: from proof-of-principle experiments to a user facility.	
9:30 – 10:00 <b>F. P. Netzer</b> (Karl-Franzens-Universität Graz): High-resolution core level spectroscopy of “inverse catalyst” surfaces: Probing the metal-oxide interface.	9:30 – 10:00 <b>I. Lindau</b> (Lund University and Stanford University): Scientific opportunities with the proposed LCLS at Stanford.	
10:00 – 10:30 <b>R. Imbihl</b> (University of Hannover): Electrocatalysis at Pt/YSZ Interfaces.	10:00 – 10:30 <b>E. Gluskin</b> (Argonne National Laboratory): SASE FEL – toward VUV and X-ray.	
<b>10:30 – 11:00</b>	<b>COFFEE BREAK</b>	
<b>11:00 – 12:30</b>	<b>POSTER SESSION 2 (VULCANIA 2) MATERIAL RESEARCH</b>	
<b>12:30 – 2:30</b>	<b>LUNCH</b>	
<b>2:30 – 4:30</b>	<b>PARALLEL SESSIONS</b>	
<i>SATURNIA</i> <b><u>COHERENCE TECHNIQUES &amp; NOVEL SOURCES II</u></b>	<i>OCEANIA</i> <b><u>BIOLOGICAL APPLICATIONS AND SOFT MATTER</u></b>	
Chair: <b>V. G. Stankevitch</b> (RRC Kurchatov Institute, Moscow)	Chair: <b>C. A. Larabell</b> (University of California at San Francisco)	
2:30 – 3:00 <b>M. Murnane</b> (University of Colorado, Boulder): Control of atoms and molecules using shaped pulses.	2:30 – 3:00 <b>S. P. Cramer</b> (University of California at Davis and LBNL, Berkeley): X-ray spectroscopy of metals in enzymes – soft or hard ?	
3:00 – 3:30 <b>G. N. Kulipanov</b> (Budker Institute of Nuclear Physics, Novosibirsk): Diffraction limited fourth generation VUV and X-ray source based on an accelerator-recuperator.	3:00 – 3:30 <b>G. Schneider</b> (LBNL, Berkeley): Computed tomography of cryogenic cells.	
3:30 – 4:00 <b>M. Marsi</b> (Sincrotrone Trieste): UV/VUV Free Electron Lasers and applications in material science.	3:30 – 4:00 <b>C. Jacobsen</b> (SUNY Stony Brook): Spectromicroscopy of biological and environmental systems at Stony Brook.	
	4:00 – 4:30 <b>A. P. Hitchcock</b> (McMaster University, Hamilton) Soft X-ray microscopy of soft matter - Hard information from two softs.	
<b>4:30 – 5:00</b>	<b>COFFEE BREAK</b>	
<b>5:00 – 6:30</b>	<b>POSTER SESSION 3 (VULCANIA 2) INSTRUMENTATION AND NEW TECHNIQUES COHERENCE TECHNIQUES AND NOVEL SOURCES</b>	

**PROGRAM  
WEDNESDAY, July 25**

**9:00 – 10:30**

**PLENARY SESSION (SATURNIA)**

Chair: **R. L. Stockbauer** (Louisiana State University, Baton Rouge)

9:00 – 9:45 **C. A. Larabell** (University of California at San Francisco): Imaging cells using soft X-ray microscopy.

9:45 – 10:30 **R. Wiesendanger** (University of Hamburg): Spin-resolved spectro-microscopy at the atomic level.

**10:30 – 11:00**

**COFFEE BREAK**

**11:00 – 12:30**

**POSTER SESSION 4 (VULCANIA 2)  
INTERFACES  
DYNAMIC PROCESSES**

**12:30 – 1:30**

**MEETING OF THE INTERNATIONAL ADVISORY COMMITTEE**

**12:30 – 2:30**

**LUNCH**

**2:30 – 4:00**

**PARALLEL SESSIONS**

*SATURNIA*

**MICROSCOPY AND SPECTROMICROSCOPY**

Chair: **C. Jacobsen** (SUNY Stony Brook)

2:30 – 3:00 **J. Susini** (ESRF, Grenoble): Recent achievements in multi-keV X-ray microscopy.

3:00 – 3:30 **R. Klauser** (SRRC, Hsinchu): Zone-plate-based scanning photoemission microscopy at SRRC: performance and applications.

3:30 – 4:00 **T. Schmidt** (University of Würzburg): Nanospectroscopy using aberration correction: the SMART project.

*OCEANIA*

**MAGNETIC SYSTEMS  
& PHOTON POLARIZATION TECHNIQUES I**

Chair: **C. Carbone** (CNR-ISM, Trieste)

2:30 – 3:00 **F. U. Hillebrecht** (Max-Planck-Institut für Mikrostrukturphysik, Halle): Surface antiferromagnetic order of transition metal oxides studied by photoemission microscopy.

3:00 – 3:30 **G. Schütz** (University of Würzburg): Magnetic X-ray absorption and scattering.

3:30 – 4:00 **M. Sacchi** (LURE, Orsay): Magnetic coupling in thin layers and superlattices investigated by resonant scattering of polarized soft x-rays.

**4:00 – 4:30**

**COFFEE BREAK**

**4:30 – 6:00**

**POSTER SESSION 5 (VULCANIA 2)  
MAGNETISM AND PHOTON POLARIZATION TECHNIQUES  
INELASTIC SCATTERING  
LOW DIMENSIONAL AND CORRELATED SYSTEMS**

**PROGRAM**  
**THURSDAY, July 26**

**9:00 – 10:30**

**PARALLEL SESSIONS**

*SATURNIA*

**MAGNETIC SYSTEMS**  
**& PHOTON POLARIZATION TECHNIQUES II**

Chair: **D. Chandesris** (LURE, Orsay)

- 9:00 – 9:30 **F. Nolting** (Paul Scherrer Institut, Villigen and SSRL, Stanford and LBNL, Berkeley): Exploring the ferromagnetic-antiferromagnetic interface using PEEM.
- 9:30 – 10:00 **Z. Q. Qiu** (University of California at Berkeley): Quantum well states and interlayer coupling in magnetic nanostructures.
- 10:00 – 10:30 **J. García Ruiz** (CSIC – University of Saragoza): Lack of atomic charge localization in transition metal mixed valence oxides.

*OCEANIA*

**DYNAMICS AT SURFACES**

Chair: **F. P. Netzer** (Karl-Franzens-Universität Graz)

- 9:00 – 9:30 **S. Günther** (University of Hannover): Transport of K on Rh(110) during the catalytic reaction  $H_2 + O_2$ .
- 9:30 – 10:00 **P. Feulner** (Technical University of Munich): Core excitation induced bond breaking of chemisorbed molecules probed by emission of ions, neutrals and electrons.
- 10:00 – 10:30 **G. Paolucci** (Sincrotrone Trieste): Surface kinetics by fast core-level photoemission.

**10:30 – 11:00**

**COFFEE BREAK**

**11:00 – 12:30**

**POSTER SESSION 6 (VULCANIA 2)**  
**RELATED THEORY**  
**HIGH RESOLUTION SPECTROSCOPY**  
**ELECTRONIC STRUCTURE**

**12:30 – 2:30**

**LUNCH**

**2:30 – 4:00**

**PARALLEL SESSIONS**

*SATURNIA*

**RELATED THEORY**

Chair: **M. A. Van Hove** (LBNL, Berkeley and University of California at Davis)

- 2:30 – 3:00 **M. V. Ganduglia-Pirovano** (Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin): Theoretical predictions of oxygen induced surface core-level shifts: a probe of the local overlayer structure.
- 3:00 – 3:30 **S. Baroni** (SISSA and INFN, Trieste): The interaction of ethylene with perfect and defective Ag(001) surfaces.
- 3:30 – 4:00 **H. Ebert** (University of Munich): Theoretical description of the magneto-optical properties of arbitrary layered systems.

*OCEANIA*

**LOW DIMENSIONAL**  
**AND CORRELATED SYSTEMS I**

Chair: **S. Suga** (Osaka University)

- 2:30 – 3:00 **X. J. Zhou** (Stanford University): Charge ordering and electronic structure of  $(La_{2-x-y}Sr_xNd_y)CuO_4$  stripe phase and  $(La_{2-x}Sr_x)CuO_4$  high- $T_c$  superconductors.
- 3:00 – 3:30 **P. D. Johnson** (Brookhaven National Laboratory): Photoemission studies of self-energy effects in high  $T_c$  superconductors and other materials.
- 3:30 – 4:00 **M. C. Asensio** (LURE, Orsay and ICMN-CSIC, Madrid): Fermi surface topology and angle-resolved photoemission results of Bi2212 single crystals.

4:00 – 4:30

COFFEE BREAK

4:30 – 5:30

PARALLEL SESSIONS

*SATURNIA*

**LOW DIMENSIONAL  
AND CORRELATED SYSTEMS II**

Chair: **P. D. Johnson** (Brookhaven National Laboratory)

4:30 – 5:00 **D. J. Huang** (SRRC, Hsinchu): Correlation effects on the electronic structure of half-metallic transition metal oxide thin films.

5:00 – 5:30 **A. Damascelli** (Stanford University): Fermi surface of  $\text{Sr}_2\text{RuO}_4$  by ARPES: a longstanding controversy.

*OCEANIA*

**ELECTRONIC STRUCTURE**

Chair: **W. Wurth** (University of Hamburg)

4:30 – 5:00 **T. Greber** (University of Zürich): K-resolved one and two photon photoemission around the Fermi level.

5:00 – 5:30 **K. Horn** (Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin): Valence band structure of quasicrystals studied by photoemission: dispersing states and quasi-Brillouin zones.

5:30 – 6:30

BEST POSTERS PRESENTATION

(SATURNIA)



**PROGRAM**  
**FRIDAY, July 27**

**9:00 – 11:15**

**PLENARY SESSION**

**(SATURNIA)**

Chair: **I. Lindau** (Lund University and Stanford University)

9:00 – 9:45 **E. Bauer** (Arizona State University, Tempe and Sincrotrone Trieste): Spectromicroscopy with the SPELEEM.

9:45 – 10:30 **M. A. Van Hove** (LBNL, Berkeley and University of California at Davis): Advances in the theory of photoelectron diffraction and holography.

10:30 – 11:15 **T. Takahashi** (Tohoku University, Sendai) Progress of high-resolution photoemission spectroscopy in strongly correlated electron systems.

**11:15 – 11:45**

**COFFEE BREAK**

**11:45 – 12:30**

**CLOSING SESSION**

**(SATURNIA)**

Chair: **VUV-XIV Chair** (to be announced).

11:45 – 12:30 Concluding remarks and announcement of VUV-XIV.

