



International Workshop on HARD X-ray PhotoElectron Spectroscopy

11th-12th September 2003
ESRF, Grenoble, France



PROGRAMME

Venue: ESRF Auditorium

Thursday 11th September 2003

08:00 Registration

08:50 Welcome by **Francesco Sette**, *Director of Research ESRF*

Session I

Lucio Braicovich

09:00 "Past, present and future of photoelectron spectroscopy"
Stefan Hüfner - *Universität des Saarlandes Saarbrücken, Germany*

09:45 "Looking 100 Å deep into spatially inhomogeneous dilute systems with hard X-ray photoemission"
Claudia Dallera - *Politecnico di Milano, Italy*

10:15 "A time-of-flight analyser for angle-resolved photoelectron spectroscopy at 5 keV"
Oscar Tjernberg - *Royal Institute of Technology Kista, Sweden*

10:30 *Coffee Break*

Session II

Giulio Monaco

11:00 "High energy photoelectron spectroscopy with high resolutions in energy and wave number: Present status, ongoing sciences and new development at SPring-8"
Shigemasu Suga - *Osaka University, Japan*

11:45 "High resolution HAXPES and status of the VOLPE project"
Giancarlo Panaccione - *INFN Trieste, Italy*

12:15 "Low-temperature valence-band photoemission spectroscopy with hard X-ray"
Kenya Shimada - *Hiroshima University, Japan*

12:30 *Lunch*

14:00 Coffee / Poster Session

Session III

Jorg Zegenhagen

15:30 "Site-specific X-ray photoelectron spectroscopy by X-ray standing waves"
Joseph Woicik - *NIST Gaithersburg, USA*

16:10 "X-ray standing wave and photoemission investigation of high-temperature superconductor thin films and bulk single crystals"
Tien-Lin Lee - *ESRF Grenoble, France*

16:30 "Non-dipole effects in hard X-ray photoelectron spectroscopy"
Ivan Vartaniants - *Institute of Crystallography Moscow, Russia*

17:00 "Non-dipole effects in angle-resolved photoemission: Measuring and using quadrupolar asymmetry terms in chemical-shift X-ray standing wave structural studies of surface adsorption"
D. Phil Woodruff - *University of Warwick Coventry, UK*

17:20 Panel Discussion on Beamline Optics and Detector Technology followed by a Cocktail on the ESRF Mezzanine

20:00 *Workshop Dinner at the ESRF/ILL restaurant*



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Friday 12th September 2003

Session IV

Salvador Ferrer

- 09:00 "X-ray photoelectron spectroscopy and diffraction in the 5-10 keV range: Fundamental considerations"
Charles S. Fadley - *LBNL and University of California Davis, USA*
- 09:45 "Implementation of High Energy X-ray Photoelectron Spectroscopy (HE-XPS) (10-20 KeV) at the Spanish beamline (SpLine) at the ESRF"
Juan Rubio-Zuazo - *ESRF SPLINE CRG, Spain*
- 10:10 "Photoelectron spectroscopy between 3keV and 14.5 keV on Au and C"
Christof Kunz - *University of Hamburg, Germany*

10:30 Coffee Break

Session V

Nick Brookes

- 11:00 "Photoemission from strongly correlated systems"
Olle Gunnarsson - *Max-Planck-Institute Stuttgart, Germany*
- 11:45 "Electronic structure of the superconducting layered oxide $\text{Na}_x\text{CoO}_2 \cdot y\text{H}_2\text{O}$ using hard X-ray photoemission spectroscopy"
Ashish Chainani - *RIKEN/SPring-8 Hyogo, Japan*
- 12:00 Discussion
- 12:30 Lunch**
- 14:00 Coffee / Poster Session

Session VI

Dominique Chandesris

- 15:00 "Resonant photoemission of 3d core level by 2p electron excitation in mixed valence Ce compounds and some related spectroscopies"
Akio Kotani - *RIKEN/SPring-8 Hyogo, Japan*
- 15:45 "High-energy photoemission at HASYLAB"
Wolfgang Drube - *HASYLAB Hamburg, Germany*
- 16:15 "High-resolution hard X-ray photoemission spectroscopy: Application to ESCA and valence band studies"
Keisuke Kobayashi - *JASRI/SPring-8 Hyogo, Japan*
- 16:30 "Development of hard X-ray photoemission spectroscopy at SPring-8 and its application to diluted magnetic semiconductors "
Yasutaka Takata - *RIKEN/SPring-8 Hyogo, Japan*
- 16:45 Wrap Up & Best Poster Award
- 17:00 End of the Workshop