



1st international workshop

SPEM2010

Present and Future of the
ScanningPhotoElectron Microscopy:
bridging the pressure gap

Trieste, Italy 13-14 December 2010

**Organizing Committee
(Elettra Synchrotron Light Laboratory)**

**Luca Gregoratti – Chair
Maya Kiskinova – Co-chair
Alexei Barinov**



<http://spem2010.elettra.eu>

(Photo: G. Crozzoli)

Background

SPEM2010 is the 1st forum bringing together experts in ScanningPhotoElectron Microscopy and Ambient Pressure XPS to discuss the present status and directions for merging both techniques. The scope is to disseminate the capabilities of the instruments to a broad audience of the academic and industrial communities and highlight the most recent achievements in research and instrumental development. Topics will cover the current status of the operating SPEMs and new SPEMs under construction, new approaches and future developments with emphasis on the solutions bridging the pressure gap in SPEM.

Workshop Topics

- Operating SPEMs using focusing optics: performance and research highlights
- New Generation SPEMs with angular resolved PES
- Breakthrough applications limited by the pressure gap: from ambient pressure XPS to AP-SPEM
- Challenges for AP_SPEM and advantages compared to complementary electron and x-ray based microscopes

Invited Speakers (confirmed)

Hyun-Joon Shin (*Pohang University of Science and Technology*), Korea
Chia-Hao Chen (*National Synchrotron Radiation Research Center*), Taiwan
Jörg Raabe (*Paul Scherrer Institut*), Switzerland
María C. Asensio (*Synchrotron SOLEIL*), France
Koji Horiba (*The University of Tokyo*), Japan
Hendrik Bluhm (*Lawrence Berkeley National Laboratory*), USA
Andrei Kolmakov (*Southern Illinois University Carbondale*), USA
Benedetto Bozzini (*Università di Lecce*), Italy
Axel Knop-Gericke (*Fritz-Haber-Institut der MPG*), Germany
David Starr (*Brookhaven National Lab*), USA
Dirk Rahn (*Christian-Albrecht-Universität*), Germany

Organizing Committee

Luca Gregoratti – chair
Maya Kiskinova – co-chair
Alexei Barinov
Michela Bassanese – on-site organization
Letizia Pierandrei – on-site organization

Venue

The workshop will be held at the Adriatico Guest House of the International Centre for Theoretical Physics (ICTP) in the village of Grignano, about 500 m from the Castle of Miramare, Trieste, Italy

Conference Fees

Standard	100 €
Student	50 €
Registered Elettra User	free

The standard registration fee will cover the coffee breaks, the workshop dinner and the workshop kit. The student and the registered Elettra user fee will cover the coffee breaks and the workshop kit.

Extra tickets for the social banquet can be purchased upon request at 50 €.

Important Dates

Registration deadline: 25/11/2010

For the registration to the workshop and the fee payment see

<http://spem2010.elettra.eu>

Accommodation

Preliminary room reservations have been made at the Adriatico Guest House. To reserve a room the accommodation forms at <http://spem2010.elettra.eu> need to be completed before November 10th. After that date please contact useroffice@elettra.trieste.it

Contact

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