



Fundamental Aspects of Surface Science

Euroconference on Structure and Reactivity of Oxide Surfaces

Supported by the European Commission, Research DG, Human Potential Programme, High-Level Scientific Conferences
(Contract No: HPCF-CT-2000-00168)

Acquafredda di Maratea (near Naples), Italy, 1 - 6 June 2002

Chair: **Gianfranco Pacchioni (Milano, I)**

Organising Committee: **Francesc Illas (Barcelona, E)** and
Notker Rösch (München, D)

Speakers will include

Charles T. Campbell (Seattle, US)	Uzi Landmann (Atlanta, US)
Hajo Freund (Berlin, D)	Falko Netzer (Graz, A)
Elio Giamello (Torino, I)	Claudine Noguera (Orsay, F)
Wayne Goodman (College Station, US)	Jose Rodriguez (Upton, US)
Nicholas M. Harrison (Warrington, UK)	Matthias Scheffler (Berlin, D)
Ueli Heiz (Ulm, D)	Christof Wöll (Bochum, D)
Claude R. Henry (Marseille, F)	Adriano Zecchina (Torino, I)
Yashuiro Iwasawa (Tokio, J)	

Scope of the conference

Oxide surfaces and metal-ceramic interfaces are relevant in corrosion protection, adhesion, microelectronics, photovoltaic cells, sensors, heterogeneous catalysis, but little is known about their atomistic structure. Thanks to a spectacular development of experimental methods in the last decade, today it is possible to prepare oxide surfaces by applying techniques of epitaxial growth. Data coming from these experiments can be compared with more traditional approaches to the surface chemistry of polycrystalline materials and to ab initio modeling. From the interplay of experiment and theory, significant advances in this area have been achieved. This meeting will cover topics like the structural properties of clean and metal covered oxide surfaces, similarities and differences of single crystals, thin films and polycrystalline materials, adsorption and chemical reactivity, point and extended defects, etc.

The conference is open to researchers world-wide, whether from industry or academia. Participation will be limited to 100. The emphasis will be on discussion about new developments. The conference fee covers registration, full board and lodging. Grants will be available, in particular for nationals from EU or Associated States under 35.

Deadline for applications: 12 March 2002

Scientific Programme and on-line application at: <http://www.esf.org/euresco>

For printed copies, contact: Dr. J. Hendekovic, European Science Foundation,
EURESCO Unit, 1 quai Lezay-Marnésia, 67080 Strasbourg Cedex, France
Tel.+33 388 76 71 35 Fax.+33 388 36 69 87 E-mail: euresco@esf.org