COST Action D41 “Inorganic Oxide Surfaces and Interfaces”

2008 Annual Meeting of the Working Group 1
“Oxide Nanostructures”

Institut des Nanosciences de Paris, Campus de Boucicaut
140 Rue de Lourmel, 75015 PARIS, France
April 3-4, 2008

Local organizers: Jacek Goniakowski, Slavica Stankic, and Fabio Finocchi
WG 1 coordinator: Oliver Diwald

Thursday, April 3, 2008

14:00 – arrivals

14:30-14:45 Welcome to participants and introductory remarks by the local organizers (Institut de Nanosciences de Paris, France) and Oliver Diwald (Vienna University of Technology, Austria)

Session I: discussion leader: Claudine Noguera (Institut de Nanosciences de Paris, France)

14:45 Bjørk Hammer, Zeljko Sljivancanin (Department of Physics and Astronomy, University of Aarhus, Denmark) Activity of supported RhO$_2$ and PtO$_2$ nano-structures

15:30 Geoff Thornton (London Centre for Nanotechnology & Chemistry Department/ UCL, UK) Noble metal-ceria redox behaviour

16:15 Coffee break

16:45 Alexander Riss, T. Berger, J. Bernardi, E. Knözinger, O. Diwald, (Vienna University of Technology, Austria) Charge separation in titanate nanostructures: effect of morphology transformation


18:15 Poster session and discussions

19:30 Conference dinner
Poster Presentations

Andreas Sternig, M. Müller, S. Stankic, J. Bernardi, E. Knözinger, O. Diwald  
(Institute of Materials Chemistry, TU Wien, Austria)  
Thermal stability and optical properties of alkaline earth oxide nanoparticle powders

Nicolas Siedl, M. J. Elser, J. Bernardi, O. Diwald,  
(Institute of Materials Chemistry, TU Wien, Austria)  
Isolated and aggregated ZrO₂ nanocrystals: a spectroscopic study

Zeliko Sliivancanin, B. Hammer,  
(Department of Physics and Astronomy, University of Aarhus, Denmark)  
Activity of supported RhO₂ and PtO₂ nano-structures

Chi Pang, Geoff Thornton,  
(London Centre for Nanotechnology & Chemistry Department/ UCL, UK)  
Low dimensional, reduced phases of ultrathin titania

Raúl D. Rodriguez, D. Demaille, C. Chaneac, J.-P. Jolivet,  
(INSP, Université Pierre et Marie Curie-CNRS, Paris, France)  
Iron oxide nanoparticles: New insights from atomic force microscopy