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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 **Bjork 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

17:30 **T. Lukaschzyk, M. Schirmer, M.-M. Walz, F. Vollnhals, H.-P. Steinrück, Hubertus Marbach**
(*Universität Erlangen, Germany*)
Direct writing of oxide nanostructures with an electron-beam in a UHV environment

18:15 **Poster session and discussions**

19:30 **Conference dinner**

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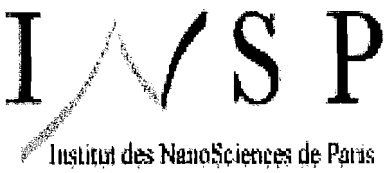

Poster Presentations

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 ZrO_2 nanocrystals: a spectroscopic study

Zeljko Sljivancanin, B. Hammer,
(*Department of Physics and Astronomy, University of Aarhus, Denmark*)
Activity of supported RhO_2 and PtO_2 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