

# ECSCD-10 Conference

## PROGRAMME

MONDAY 20<sup>TH</sup> SEPTEMBER

- 11.00 KEYNOTE:  
*"Is an image worth more than a 1000 words?"*  
**Varga P.** University of Technology (Austria)
- 11.40 *"Surface phase transitions driven by competing electronic interactions"*  
**Bertel E.** Institute of Physical Chemistry, University of Innsbruck (Austria)
- 12.00 *"Surface alloy structures of Pb and Bi on Ag(111) studied using LEED and DFT"*  
**McLeod I.M.** University of Liverpool (UK)
- 12.20 INVITED:  
*"Tweaking magnetic anisotropy beyond the monolayer limit: low energy electron microscopy studies on spin-reorientation transitions on Co/Ru"*  
**Figuera J.** Instituto de Química-Física (Spain)
- 13.00 **LUNCH**
- 14.00 INVITED:  
*"Chemical-induced surface strains in gold nanocrystals"*  
**Robinson I.** University College (UK)
- 14.40 *"Substrate effect in H electroinsertion into Pd<sub>2ML</sub>/Pt(111): an in situ SXRD study"*  
**Sibert E.** Université de Grenoble (France)
- 15.00 *"The Structure and composition of iron thin films deposited on icosahedral Al-Pd-Mn studied by medium energy ion scattering"*  
**Noakes T.C.Q.** STFC Daresbury Laboratory (UK)
- 15.20 *"Adsorbate induced semiconductor-half metal transition at the Fe<sub>3</sub>O<sub>4</sub>(001) Surface"*  
**Parkinson G.** Tulane University (New Orleans)
- 15.40 **BREAK**
- 16.20 INVITED:  
*"Direct imaging and spectroscopy of III-V nanowire surfaces"*  
**Mikkelsen A.** Lund University (Sweden)
- 17.00 *"Surface Dynamics during Langmuir Decomposition and Droplet Epitaxy of GaAs"*  
**Jesson D.E.** Monash University (Australia)
- 17.20 *"Nano-scale strain relief in lithographically defined SiGe nano-structures studied by nano-beam x-ray diffraction"*  
**Vanacore G.M.** Politecnico di Milano (Italy)
- 17.40 **POSTERS**

**TUESDAY 21<sup>ST</sup> SEPTEMBER**

- 09.00 INVITED  
*"Surfaces: Incubators of homochiral matter?"*  
**Raval R.** University of Liverpool (UK)
- 09.40 *"Striped nanopatterns induced by molecular chirality in assemblies of alanine on Cu{311}"*  
**Blanco-Rey M.** University of Cambridge (UK)
- 10.00 *"Determination of the structure of glycine adsorbed on Cu {110}"*  
**Zheleva Z.V.** University of Reading (UK)
- 10.20 INVITED  
*"Surface geometry of C<sub>60</sub> on Ag(111)"*  
**Pussi K.** Lappeenranta University of Technology (Finland)
- 11.00 **BREAK**
- 11.40 INVITED  
*"Growth processes on the rutile TiO<sub>2</sub>(110) surface"*  
**Mulheran P.A.** University of Strathclyde (UK)
- 12.20 *"A photoelectron diffraction study of the local structure of hydroxyl species on TiO<sub>2</sub>(110)"*  
**Lerotholi T.J.** University of Witwatersrand (South Africa)
- 12.40 *"Surface structure determination; questions of rigour and reliability"*  
**Lindsay R.** University of Manchester (UK)
- 13.00 **LUNCH**
- 14.00 INVITED  
*"Towards the engineering of functional molecular architecture: Dynamics and ordering aspects of porphyrins on metal surfaces"*  
**Marbach H.** University Erlangen- Nürnberg (Germany)
- 14.40 *"A direct method for adsorption site determination using STM"*  
**Guo Q.** University of Birmingham (UK)
- 15.00 *"Structure of self-assembled monolayers of alkylthiolates on Au(111) and Ag(111): A study based on ab-initio calculations"*  
**Busnengo H.F.** CONICET-Universidad Nacional de Rosario (Argentina)
- 15.20 *"Modification of the spin state and molecule-substrate interaction of iron phthalocyanine adsorbates on Au(111) by ligand attachment"*  
**Schnadt J.** Lund University (Sweden)
- 15.40 **BREAK**
- 16.20 INVITED  
*"Structural properties of crystalline ultra-thin films: a challenge for photoelectron diffraction"*  
**Vesselli E.** University of Trieste (Italy)

- 17.00     *“First-principles statistical mechanics simulations of catalytic oxidation of ammonia at RuO<sub>2</sub>(110)”*  
          **Mangold C.** Fritz-Haber-Institute (Germany)
- 17.20     *“The many phases of cobalt-oxide on Ir(100)”*  
          **Hammer L.** Univ. Erlangen-Nürnberg (Germany)
- 17.40     *“Complex structure of a CoO(111) bilayer on Ir(100)”*  
          **Heinz K.** Univ. Erlangen-Nürnberg (Germany)
- 16.00     **DINNER**

WEDNESDAY 22<sup>ND</sup> SEPTEMBER

- 09.00 INVITED  
*"Metal-molecule contacts: From adsorption to charge transport"*  
**Tautz F.S.** Institut für Bio-und Nanosysteme (Germany)
- 09.40 *"Furan decomposition on Pd(111)"*  
**Bradley M.K.** University of Warwick (UK)
- 10.00 *"The local structure of cytosine on Cu(100)"*  
**Duncan D.A.** University of Warwick (UK)
- 10.20 INVITED  
*"Azobenzene-based molecular switches at surfaces: insights from first-principles theory"*  
**McNellis E.R.** Fritz-Haber-Institut der MPG (Germany)
- 11.00 **BREAK**
- 11.40 INVITED  
*"Oxide ultrathin films on metals: new materials with unprecedented properties"*  
**Pacchioni G.** Università di Milano-Bicocca (Italy)
- 12.20 *"The geometric surface structure of BaFe<sub>2-x</sub>Co<sub>x</sub>As<sub>2</sub> determined with LEED"*  
**Lindroos M.** Tampere University of Technology (Finland)
- 12.40 *"The interaction of polar organic molecules with alkali halide substrates and induced surface reconstruction"*  
**Trevethan T.** University College (UK)
- 13.00 **LUNCH**
- 14.00 INVITED  
*"Structures and processes at the solid-liquid interface studied from first principles"*  
**Groß A.** Ulm University (Germany)
- 14.40 *"A quantitative LEED investigation of the c(2x2) phase formed by water on Cu{110}"*  
**Driver S.M.** University of Cambridge (UK)
- 15.00 *"Epitaxial ultra-thin Pd on Re"*  
**Bennett R.** University of Reading (UK)
- 15.20 INVITED  
*"Entropically-stabilised molecular rhombus tilings"*  
**Beton P.** University of Nottingham (UK)