



7th International Workshop on Electrodeposited Nanostructures

22nd-24th April 2010, Bristol U.K.

Scientific Programme

Friday 23rd April

09.00 - 09.10 Welcome to Bristol

1st Plenary Session: Electrochemical surface science: Chair

09.10 - 09.40 Klaus Krug

Institute for Experimental and Applied Physics, Christian-Albrechts-University Kiel, Kiel, Germany

In-situ surface X-ray scattering studies of electrochemical deposition and dissolution processes

09.40 - 10.10 Natasa Vasiljevic

H. H. Wills Physics Laboratory, University of Bristol, Bristol, U.K.

Electrochemical in-situ STM, stress and OIRD studies of Pb deposition on Au(111)

10.10 - 10.40 David Fermin

School of Chemistry, University of Bristol, Bristol, U.K.

Electrochemical deposition of Te adlayers on 3D networks of metal nanostructures

10.40 - 11.15 Tea/coffee break and poster session

2nd Plenary Session: Magneto-electrodeposition I: Chair Margitta Uhlemann

11.15 - 11.45 Anne-Lise Daltin

LACM-DTI, LRC-CEA, University of Reims Champagne-Ardenne, Reims, France

Evolution of Cuprous Oxide crystal morphology by magnetic field convection

11.45 - 12.15 Kristina Tschulik

Institute for Metallic Materials, IFW Dresden, Dresden, Germany

Electrodeposition of patterned metal layers in gradient magnetic fields

12.15 - 12.45 Dámaris Fernández

School of Physics and CRANN, Trinity College Dublin, Dublin, Ireland

Magnetoconvective effect on current distribution and roughness during copper electrodeposition

12.45 - 14.00 Lunch break and poster session

3rd Plenary Session: Nanostructures / Magneto-electrodeposition II: Chair Walther Schwarzacher

14.00 - 14.30 Patrick Fricoteaux

LACM-DTI, LRC-CEA, University of Reims Champagne-Ardenne, Reims, France
Copper core - Silver shell nanoparticles elaboration

14.30 - 15.00 Manon Lafouresse

LEPMI, CNRS, Grenoble-INP-UJF, Saint Martin d'Hères, France
Hydrogen adsorption and absorption in nanosized Pd/Pt(111) films

15.00 - 15.30 Jakub Koza

Institute for Metallic Materials, IFW Dresden, Dresden, Germany
Influence of external homogeneous magnetic fields superposed during the electrodeposition of thin CoFe films on their properties

15.30 - 16.00 Tea/coffee break and poster session

4th Plenary Session: Nanowires/ Additives: Chair

16.00 - 16.30 Veronika Haehnel

Institute for Metallic Materials, IFW Dresden, Dresden, Germany
Electrodeposition of Fe-Pd nanowires for magnetic shape memory application

16.30 - 17.00 Célia Sousa

IN-IFIMUP and Department of Physics, University of Porto, Porto, Portugal
Pulsed electrodeposition in nanoporous alumina: Control of barrier layer

17.00 - 17.30 Naray Pewnim

School of Chemical Engineering, Newcastle University, Newcastle upon Tyne, U.K.
Electrochemical analysis for electrodeposited Tin-Copper solder alloys from Methanesulphonic electrolytes

17.30 - 18.00 Yuriy Yanson

Leiden University, Leiden, Netherlands
Effect of additives on Cu electrodeposition: in-situ STM study

18.00 Closing remarks

Posters

Meritxell Cortes

Department of Physical Chemistry and IN2UB, University of Barcelona, Barcelona, Spain

Electrodeposition of Magnetite (Fe_3O_4) thin films for single-molecule spintronics

José García-Torres

Department of Physical Chemistry and IN2UB, University of Barcelona, Barcelona, Spain

Enhanced giant magnetoresistance in Co-Ag electrodeposits

Jeerapat Nutariya

H. H. Wills Physics Laboratory, University of Bristol, Bristol, U.K.

Surface alloying during Pb underpotential deposition on Au(111)

Mariana Proença

IN-IFIMUP and Department of Physics, University of Porto, Porto, Portugal

Potentiostatic electrodeposition of Nickel nanowires inside nanoporous Alumina templates

Jim Sadler

H. H. Wills Physics Laboratory, University of Bristol, Bristol, U.K.

Octanethiol on Ni for Spintronic Applications

Heike Schlörb

Institute for Metallic Materials, IFW Dresden, Dresden, Germany

Deposition of Fe-Ga films

Ralph Süptitz

Institute for Metallic Materials, IFW Dresden, Dresden, Germany

The impact of a superimposed magnetic field on the free corrosion of iron

Doug Szumski

H. H. Wills Physics Laboratory, University of Bristol, Bristol, U.K.

Towards molecular spintronics

Margitta Uhlemann

Institute for Metallic Materials, IFW Dresden, Dresden, Germany

Magnetoelectrodeposition of CoFe nanowires in ordered alumina template

Sarah Ward Jones

H. H. Wills Physics Laboratory, University of Bristol, Bristol, U.K.

Alloys by precision electrodeposition