7th IBERIAN vacuum & MEETING

5th European Topical Conference on Hard Coatings

22—25 of June, 2008
at Caparica Campus
Universidade Nova de Lisboa
Portugal

Vacuum Science and Technology near the beaches of
Costa da Caparica

Invited Speakers

J.L. de Segovia, Instituto de Ciencia de Materiales de Madrid (former IUVSTA President), Spain
"History of Vacuum"

Ron Naaman , The Weizmann Institute of Science, Israel
"Cooperative Molecular Field Effect—A Source for New Electronic Properties at Interfaces"

Marcel Rost, Kamerlingh Onnes Laboratory, Leiden University, The Netherlands
"In-situ, Real-time Observation of Thin Film Deposition: Roughening, Zeno, Grain Boundary Crossing Barrier, and Steering"

Geoff Thornton, London Centre for Nanotechnology, University College London, UK
"Nanoscale science on metal oxide surfaces"

Akhlesh Lakhtakia, Pennsylvania State University, University Park, USA
"Elastodynamics of Inorganic and Polymeric Sculptured Thin Films"

Guglielmo Fortunato, Flexidis and IMM-CNR, Italy
"Low temperature polysilicon TFTs on polyimide substrates for flexible electronics"

Luis Rebouta, Department of Physics, Universidade do Minho, Portugal
"Superhard nanostructured coatings: structure and properties relations"

Philippe Steyer, Laboratoire de Physico-Chimie Industrielle, INSA de Lyon, France
"How to design nanostructured PVD nitrides based coatings for increasing the durability of steel?"

Nuno Peres, Department of Physics, Universidade do Minho, Portugal
"The electronic properties of graphene"

Jose A. Martín Gago, Instituto de Ciencia de Materiales de Madrid, Spain
"Structure and self-organization of organic and bio molecules on single crystal Surfaces"

Fabien Bénédic, LGPPTS, Université P. et M. Curie, ENSCP, 75005 Paris, France
Talk on Hard Coatings

Rámon Escobar Galindo, Autonoma University of Madrid, Spain
"Advanced characterisation of nanometer multilayers: depth profiling comparison of RBS, SIMS, XPS and GDOES"

Tomas Polcar, University of Coimbra, Portugal
"Transition metal dichalcogenides alloyed with carbon: a new class of self-lubricating coating"

Rui Silva, CICECO, Ceramics & Glass Eng. Dept. University of Aveiro, Portugal
"Semi-Orthogonal Cutting of Hardmetal with CVD Diamond at Different Rake Angle"

Wolfgang Jitschin, University of Applied Sciences Giessen-Friedberg, Germany
"Precise flow measurement of abitrary gas species over a wide range"

João Pedro Conde , Department of Chemical and Biological Engineering, Instituto Superior Técnico, Lisbon, Portugal
"Thin-film silicon MEMS"

Pierre Jamoton, Facility Department, Low Temperatures Laboratory, Centre Spatial de Liege, Université de Liège, Belgium
"Planck Cryogenic Testing in CSL Premises, Helium Partial Pressure Management"

Olinda Conde, Department of Physics, Universidade de Lisboa, Portugal
"Oxide-based thin films for spintronics"

Lluis Miralles, CELLS Engineering Division, Barcelona, Spain
"ALBA Spanish Synchrotron Light Source-Vacuum System Status"

Johan Böhlmark, CEO Chemfilt Ionsputtering AB Linköping, Sweden
"High Power Impulse Magnetron Sputtering – an overview of history, properties and current status"

Rafael Rodriguez, AIN-Centro de Ingeniería Avanzada de Superficies, 31191 Cordovilla, Pamplona, Spain
"New trends in decorative and funtional coatings"

Jatin K. Rath, SID-Physics of Devices, RvdG Laboratory, Utrecht University, The Netherlands
"In-situ diagnostics in VHF PECVD process : A crucial aspect for fast fabrication of thin film silicon solar cells"

Chairmen

Orlando M.N.D Teodoro (SOPORVAC) and **José L. de Segovia** (ASEVA)

April 22 **Deadline for abstracts**
May 16 **Deadline for early registration**

Additional information at:
http://www.soporvac.pt/riva7/riva7.html

Organização:

A. S. E. V. A.

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