

TRAIN² NANOSCIENCE INTERNATIONAL CONFERENCE

A high level scientific conference to
present the latest advances in the areas
of Nanosciences and Nanotechnology
internationally and in the SUDOE region

November 22nd, 2012
Barcelona - World Trade Center



Train²



UE/EU - FEDER/ERDF

TRAIN² NANOSCIENCE INTERNATIONAL CONFERENCE

PROGRAM

9:00 / Opening and presentation:

Emilio Lora-Tamayo

President of Spanish Research Council

Ricardo Ibarra

Institute of Nanoscience of Aragon. Train² Coordinator

Estrella Fernández García

Deputy Director Assistant for International Projects. Directorate General for Scientific and Technological Research. Secretary of State for Research, Development and Innovation. Ministry of Economy and Competitiveness

9:30–11:00 / Presentation of regional initiatives on Nanotechnology

Spain: **Xavier Obradors** (ICMAB-CSIC). Nanotechnology initiatives in Spain

Portugal: **Paulo Freitas** (INESC). Nanotechnology initiatives in Portugal

France: **Bruno Chaudret** (LPCNO). Nanotechnology initiatives in Portugal

Israel: **Ishi Talmon** (RBNI – Technion). Nanotechnology initiatives in Israel

11:00–11:30 / Break

11:30 – 13:30 / Keynotes (I)

Pedro Echenique (DIPC). Electron dynamics at surfaces and nanostructures

Uzi Landman (Georgia Institute of Technology). Small is different: nanoscale clusters, droplets, catalysis & quantum dots

Jesús Santamaría (University of Zaragoza). Reaction Engineering Strategies for the Synthesis of Inorganic Nanomaterials

Stephan Roche (ICN). Graphene: The platform for Innovation and the European Leadership

13:30–15:00 / Lunch

15:00–17:00 / Keynotes (II)

Avelino Corma (ITQ-Valencia). Design of nanomaterials for Heterogeneous Catalysis

Georges Hadziioannou (University of Bordeaux). Nanoscale Block Copolymer Ordering Induced by Visible Interferometric Micro-patterning: A Route towards Large Scale Block Copolymer 2D Crystals

Guy Le Lay (Aix-Marseille University CNRS-CINAM). Silicene and germanene, graphene's close relatives

Danny Porath (Hebrew University). Towards DNA sequencing and DNA-based Nanoelectronics

17:00–17:15 / Break

17:15–18:00 / Results from the Train2 Project

Hugues Granier (CRNS DR14-LAAS). TRAIN² network of technological facilities: some tools to enhance the access and expertise in the infrastructures

José María de Teresa (ICMA-CSIC). Research

Pilar Cea (University of Zaragoza). Education at the Master and PhD level, Continuing education for engineers and researchers

18:00 – 18:30 / Round table. Nanoscience and Nanotechnology. Where we are?

18:30 / Closing



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