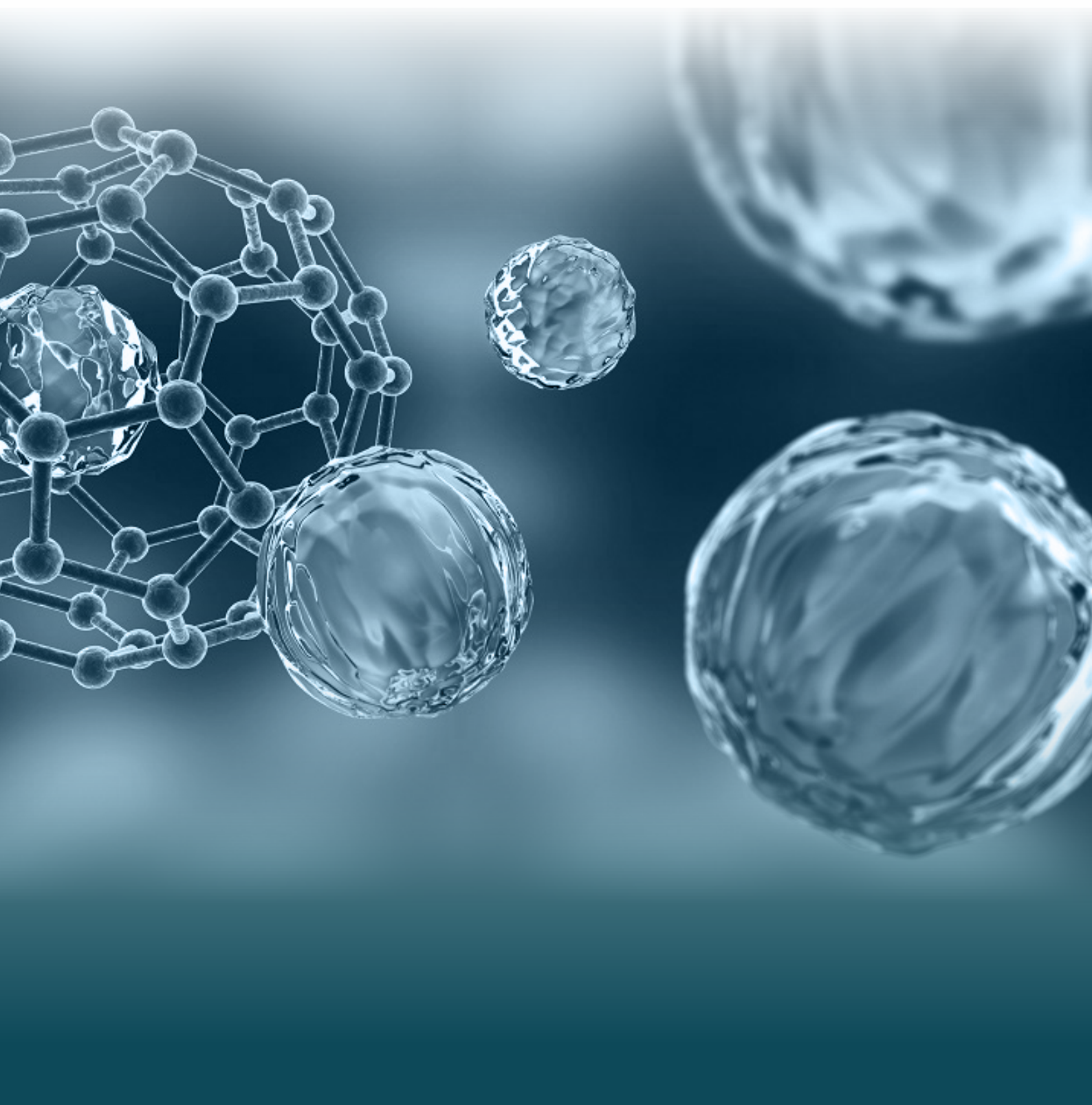


14th International Conference on
Nanomaterials and Nanotechnology

March 30-31, 2017 Madrid, Spain



09:00-09:30 Registrations

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conference**series**.com

09:30-10:00

Opening Ceremony

Keynote Forum

Introduction

10:00-10:30 **Title: Design of Pd-based nanoalloy particles confined into mesoporous carbon: Size, composition and confinement effects on the interactions with hydrogen**

Camelia Matei Ghimbeu, Researcher, Institute of Materials Science of Mulhouse (IS2M-CNRS), France

10:30-11:00 **Title: Nanofluids for energy applications**

Pedro Gomez-Romero, CSIC Research Professor, Catalan Institute of Nanoscience and Nanotechnology, Spain

Networking & Refreshments Break: 11:00-11:20 @ Zamora

11:20-11:50 **Title: Free-standing nanostructures at atomic scale: From growth mechanisms to local properties at the nanoscale**

Jordi Arbiol, Catalan Institution for Research and Advanced Studies, Spain

Sessions

Nano Particles | Nano Electronic devices | Nano Scale Materials | Scope of Nanomaterials | Nanomaterials Characterisation and Synthesis | Nano Structures | Nanomaterials Safety and Regulations

Session Chair: Alain Demourgues, University of Bordeaux, France

Session Co-chair: Constantinos Sioutas, University of Southern California, USA

Session Introduction

11:55-12:20 **Title: Physical, chemical and toxicological characteristics and historical trends of ultrafine particulate matter from traffic emissions in the Mega City of Los Angeles**

Constantinos Sioutas, University of Southern California, USA

12:20-12:45 **Title: Heat transport in tetra-functional epoxy resin containing low percentage of exfoliated graphite nanoparticles**

Carlo Naddeo, University of Salerno, Italy

12:45-13:10 **Title: 2D plasmonic diffractive patterns in metals by laser interference**

Ramon J Peláez, Institute of Optics, Spain

Group Photo: 13:10-13:15

Lunch Break: 13:15-14:00 @ Zamora

14:00-14:25 **Title: Gas Phase synthesis of Nanoparticles: Challenges and Opportunities**

Yves Huttel, Instituto de Ciencia de Materiales de Madrid, Spain

14:25-14:50 **Title: Graphene and fullerene based nanostructures grown by chemical vapor deposition and related technologies**

Enric Bertran-Serra, Universitat de Barcelona, Spain

14:50-15:15 **Title: Effects of process parameters on chemical functionalization of helicoil carbon nanotubes**

Sean Reza Taklimi, Wichita State University, USA

15:15-15:40 **Title: Magnetic nanoparticle/ magnetic fluid approach to control neuromuscular degeneration in Friedreich's ataxia**

Swasti Wagh, Precedent of Indore Chapter of SAMAG (Seek a Miracle Ataxia Group), India

15:40-16:05 **Title: Sorting of nanogel mixed dispersions by directed assembly on surfaces using AFM nanoxerography**

Lauryanne Teulon, Université de Toulouse, France

Networking & Refreshments Break: 16:05-16:25 @ Zamora

- 16:25-16:50** Title: **Synthesis of FePO₄•2H₂O nanocomposites for fabrication of lithium ion battery using impinging stream reactor**
Bin Dong, The University of Nottingham Ningbo China, China
- 16:50-17:15** Title: **Plasmonic Photothermal Inactivation of Escherichia coli and Bacillus cereus using Polymer Coated Gold Nanoparticle.**
Heba ElSayed ElZorkany, Nanotechnology and Advanced Materials Central Lab, Egypt
- 17:15-17:40** Title: **Effect of particle size on the optical properties of ZnO nanopowders fabricated by wet milling**
Telem Şimşek, Hacettepe University, Turkey

Day 2 | March 31, 2017

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Keynote Forum

- 09:00-09:30** Introduction
Title: **Dynamic tensile modulus of positive temperature coefficient materials under electric field investigated in terms of low frequency earthquake counter measures**
Masaru Matsuo, Dalian University of Technology, China
- 09:30-10:00** Title: **The world of fluorine-based nano-materials: Past, present and future**
Alain Demourgues, University of Bordeaux, France
- 10:00-10:30** Title: **Nano scale InGaAs FinFET for post Si CMOS application**
Edward Yi Chang, National Chiao Tung University, Taiwan
- 10:30-11:00** Title: **Nanoelectromechanical resonators for logic operations**
Mohammad I Younis, King Abdullah University of Science and Technology, Saudi Arabia

Networking & Refreshments Break: 11:00-11:20 @ Zamora

Sessions:

Applications of Nanomaterials | Characterization and Properties of Nanomaterials | Advanced Nanomaterials | Nanodevices and Systems | Nanomedical Devices | Nanotechnology Applications

Session Chair: J Vidal-Gancedo, Institut of Barcelona, ICMA-B-CSIC, Spain

Session Co-chair: Nadezhda Nebogatikova, Russian Academy of Sciences, Russia

Session Introduction

- 11:20-11:45** Title: **New catalytic process using palladium nanoparticles for the construction of potentially bioactive heterocycles**
Amparo Luna, Complutense University of Madrid, Spain
- 11:45-12:10** Title: **Nanostructured few-layer graphene films with edge reconstruction for electronic applications**
Nadezhda Nebogatikova, Russian Academy of Sciences, Russia
- 12:10-12:35** Title: **Au nanoparticles labeled with organic radicals**
J Vidal-Gancedo, Institut of Barcelona, ICMA-B-CSIC, Spain
- 12:35-13:00** Title: **Development of ultra-thin glass based micro/nano fluidic**
Yo Tanaka, RIKEN Quantitative Biology Center, Japan

Lunch Break: 13:00-13:50 @ Zamora

- 13:50-14:15** Title: **Nanoparticles in plastic materials for food contact applications**
Marta Lara, Instituto Tecnológico del embalaje, Spain
- 14:15-14:40** Title: **Decoration of Nickel Nanoparticles on Multiwalled Carbon Nanotubes and Testing the Electrocatalytic Activity on Methanol/Ethanol Oxidation for Fuel cell Application**
Krishnamurthy, Bangalore University, India
- 14:40-15:05** Title: **High efficiency of silica-coated CdSe/ZnS quantum dots for cellular imaging by time lapse confocal laser scanning microscopy**
Heba ElSayed ElZorkany, Nanotechnology and Advanced Materials Central Lab, Egypt
- 15:05-15:30** Title: **Thermal properties of graphene nanoflakes dispersed in DMF: a classical MD study including QM corrections**
Francesca Costanzo, Catalan Institute of Nanoscience and Nanotechnology - ICN2, CSIC and BIST, Spain

15:30-15:55 Title: Fe doped nano CaO based, fabric hybridized, stand alone natural solar photo-catalytic reactor for waste water treatment

Ambreen Ashar, University of Agriculture-Faisalabad, Pakistan

Networking & Refreshments Break: 15:55-16:15 @ Zamora

16:15-16:40 Title: Biogenic synthesis of silver nanoparticles by *Bacillus thuringiensis* against dengue vector larvae

Romana Shahzadi, University of the Punjab, Pakistan

Video presentation

16:40-17:10 Title: The Effects of Interfacial Properties on Pore Shape during Solidification

Peng-Sheng Wei, National Sun Yat-Sen University, Taiwan

17:10-17:40 Title: The perception of the risks of nanotechnologies from the analysis of the environment, health and safety publications (OECD): Reflections on the legal assessment of future damage

Wilson Engelmann, Unisinos, Brazil

Poster Presentations

Closing Ceremony

