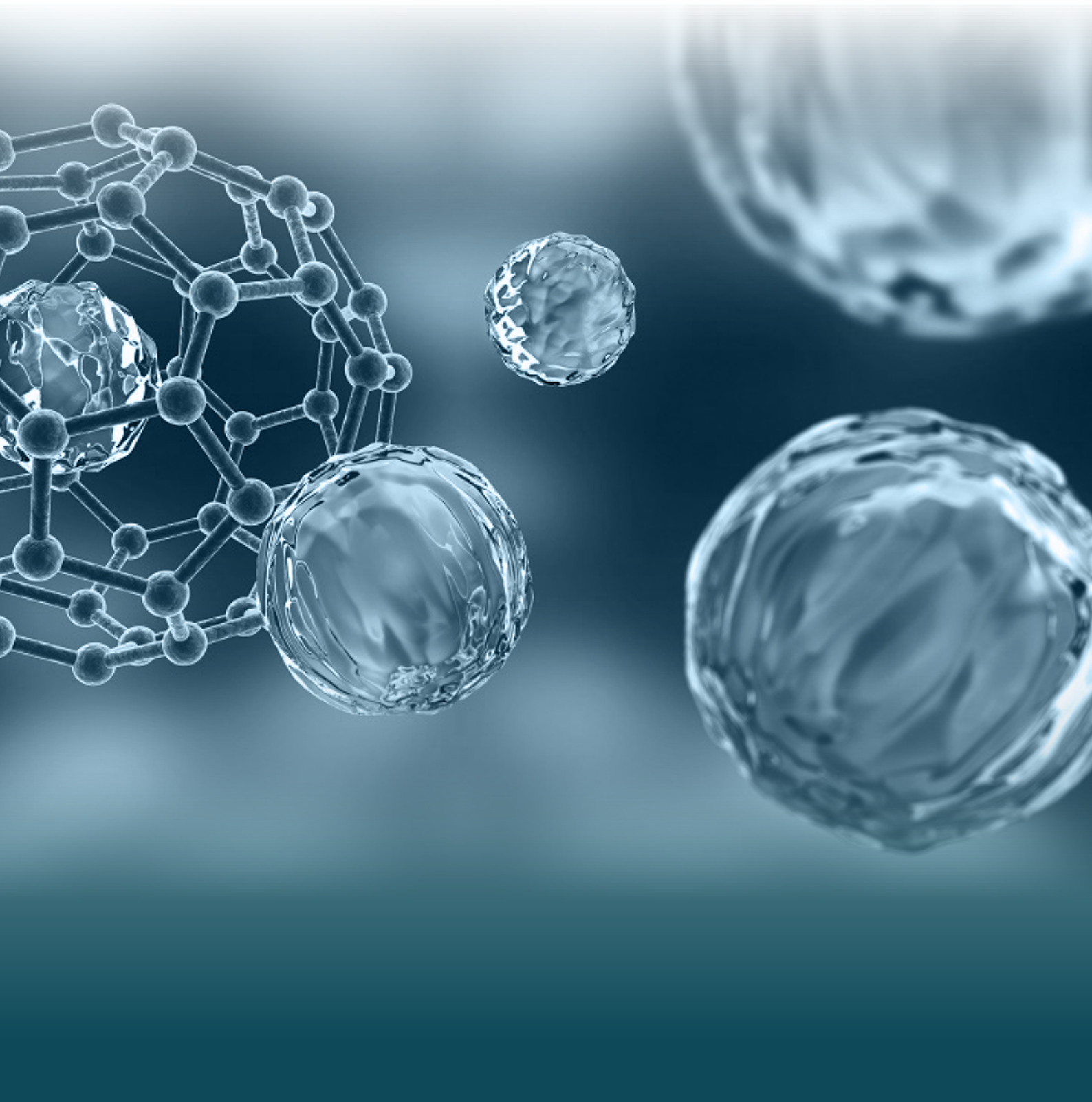
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917th Conference

Scientific Program

14th International Conference on

Nanomaterials and Nanotechnology

March 30-31, 2017 Madrid, Spain



Day 1 | March 30, 2017

09:00-09:30 Registrations

Cadiz

conferenceseries.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

Cadiz

Keynote Forum

	Introduction
09:00-09:30	**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, ICMAB-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, ICMAB-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

