

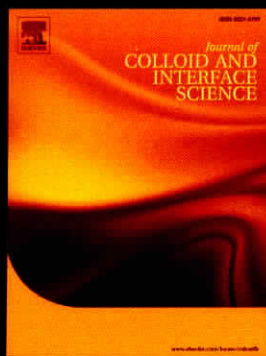
4th International
Colloids
Conference

PROGRAMME

**SURFACE DESIGN
AND ENGINEERING**

15-18 June 2014
Madrid, Spain

Supporting Journal



www.colloidsconference.com

4th International Colloids Conference
Programme Overview

Sunday, 15 th June 2014		
16:00-17:30	Registration Open	
17:30-17:40	Opening Ceremony	
17:40-19:00	Plenary Session 1 - Smart Particle/Surfaces and Novel Nanomaterials in Surface Design and Engineering Room: Zaragoza III & IV	
17:40-18:20	[PL1.01] X. Mao, D. Achilleos, G.C. Rutledge, T.A. Hatton*, <i>Massachusetts Institute of Technology, USA</i>	
18:20-19:00	[PL1.02] F. Guinea, <i>CSIC, Spain</i>	
19:00-20:30	Welcome Drinks Reception and Poster Session 1 - Zaragoza I & II	
Monday, 16 th June 2014		
08:30-09:50	Plenary Session 2 - Smart Particle/Surfaces and Novel Nanomaterials in Surface Design and Engineering Room: Zaragoza III & IV	
08:30-09:10	[PL2.01] F. Guittard, <i>University of Nice-Sophia Antipolis, France</i>	
09:10-09:50	[PL2.02] T.J. Bandoz, <i>The City College of New York, USA</i>	
09:50-10:20	Oral Session 1 - Smart Particle/Surfaces and Novel Nanomaterials in Surface Design and Engineering Room: Zaragoza III & IV	Oral Session 2 - Smart Particle/Surfaces and Novel Nanomaterials in Surface Design and Engineering Room: Toledo
10:20-10:50	Coffee Break - Zaragoza I & II	
10:50-12:50	Oral Session 1 Cont. - Smart Particle/Surfaces and Novel Nanomaterials in Surface Design and Engineering	Oral Session 2 Cont. - Smart Particle/Surfaces and Novel Nanomaterials in Surface Design and Engineering
12:50-13:50	Lunch - Zaragoza I & II	
13:50-15:10	Plenary Session 3 - Nanostructured Polymers/Architectures and Particle/Surfaces Design for Advanced Materials and Sensors Room: Zaragoza III & IV	
13:50-14:30	[PL3.01] S.P. Ames, <i>University of Sheffield, UK</i>	
14:30-15:10	[PL3.02] R.J.J. Williams*, A.B. Leonardi, H.E. Romeo, I.A. Zucchi, C.E. Hoppe, <i>University of Mar del Plata - CONICET, Argentina</i>	
15:10-16:20	Oral Session 3 - Nanostructured Polymers/Architectures Room: Zaragoza III & IV	Oral Session 4 - Particle/Surfaces Design for Advanced Materials and Sensors Room: Toledo I
16:20-16:50	Coffee Break - Zaragoza I & II	
16:50-17:30	Oral Session 3 Cont. - Nanostructured Polymers/Architectures Room: Zaragoza III & IV	Oral Session 4 Cont. - Particle/Surfaces Design for Advanced Materials and Sensors Room: Toledo I
17:30-19:00	Poster Session 2 - Zaragoza I & II	
Tuesday, 17 th June 2014		
08:30-09:50	Plenary Session 4 - Self-assembly of Particles/Surfaces Room: Zaragoza III & IV	
08:30-09:10	[PL4.01] C. Lopez, <i>Instituto de Ciencia de Materiales de Madrid, Spain</i>	
09:10-09:50	[PL4.02] A.D. Rey, <i>McGill University, Canada</i>	
09:50-10:20	Oral Session 5 - Surfaces & Interfaces Room: Zaragoza III & IV	Oral Session 6 - Surfaces & Interfaces Room: Toledo I
10:20-10:50	Coffee Break - Zaragoza I & II	
10:50-13:10	Oral Session 5 Cont. - Surfaces & Interfaces Room: Zaragoza III & IV	Oral Session 6 Cont. - Surfaces & Interfaces Room: Toledo I
13:10-14:10	Lunch - Zaragoza I & II	
14:10-15:30	Plenary Session 5 - Particles/Surface Coatings and Bio-applications Room: Zaragoza III & IV	
14:10-14:50	[PL5.01] W. Parak ^{1,2} , ¹ <i>Philipps Universität Marburg, Germany</i> , ² <i>CIC biomaGUNE, Spain</i>	
14:50-15:30	[PL5.02] B. Xu, <i>Brandeis University, USA</i>	
15:30-16:00	Oral Session 7 - Particles/Surface Coatings and Bio-applications Room: Zaragoza III & IV	Oral Session 8 - Particles/Surface Coatings and Bio-applications Room: Toledo I
16:00-16:30	Coffee Break - Zaragoza I & II	
16:30-17:10	Plenary Session 6 - "JCIS Life-time Achievement Award" Lecture Room: Zaragoza III & IV	
17:10-18:40	Poster Session 3 - Zaragoza I & II	
20:00-22:30	Gala Dinner - Ticket Holders Only	
Wednesday, 18 th June 2014		
08:30-09:10	Plenary Session 7 - Particle/Surface in Bio-applications, Packaging and the Environment Room: Zaragoza III & IV	
08:30-09:10	[PL7.01] N. Garti, <i>The Hebrew University of Jerusalem, Israel</i>	
09:10-10:20	Oral Session 9 - Particle/surface in Packaging and Environment Room: Zaragoza III & IV	Oral Session 10 - Particle/surface in Bio-applications Room: Toledo I
10:20-11:00	Coffee Break - Zaragoza I & II	
11:00-13:00	Oral Session 9 Cont. - Particle/surface in Packaging and Environment Room: Zaragoza III & IV	Oral Session 10 Cont. - Particle/surface in Bio-applications Room: Toledo I
13:00-14:00	Lunch - Zaragoza I & II	
14:00-16:50	Oral Session 11 - Particle/surface in Packaging and Environment Room: Zaragoza III & IV	Oral Session 12 - Particle/surface in Bio-applications Room: Toledo I
16:50-17:00	Closing Remarks Room: Zaragoza III & IV	

Institute of Catalysis and Surface Chemistry them. George Haber Polish Academy of Sciences, Poland

Monday, 16 June 2014: Poster Session 2 - 17:30-19:00

Mechanochemical intercalation of amino acids into layered double hydroxides

Z. Ferencz*, A. Kukovecz, Z. Konya, P. Sipos, I. Palinko

University of Szeged, Hungary

Sunday, 15 June 2014: Welcome Drinks Reception and Poster Session 1 - 19:00-20:30

Meso-Macroporous LiFePO₄/C microspheres as cathode materials of Li ion battery

J.W. Yoo*, K. Zhang, J.T. Lee, J.H. Park, G. Yi

Sungkyunkwan University, Republic of Korea

Sunday, 15 June 2014: Welcome Drinks Reception and Poster Session 1 - 19:00-20:30

Mesoporous nanostructured organo silica particles by selective etching

J.W. Park¹, T.J. Park¹, J.S. Kim¹, S.M. Koo^{*1}, J.W. Kim^{1,2}

¹*Hanyang University, Republic of Korea*, ²*Cheil Industries, Republic of Korea*

Sunday, 15 June 2014: Welcome Drinks Reception and Poster Session 1 - 19:00-20:30

Metallic magnetic nanoparticles obtained by thermal reduction of silica-coated ferrite nanoparticles: Improvement of the magnetic response for catalytic and biomedical applications

W. Beck Jr.*¹, M. Marciello², M.P. Morales², C.J. Serna², L.C. Varanda¹

¹*Chemistry Institute of São Carlos (IQSC-USP), Brazil*, ²*Instituto de Ciencia de Materiales de Madrid, Spain*

Monday, 16 June 2014: Poster Session 2 - 17:30-19:00

Modelling the dynamics of polydisperse nanoparticles in polymer melts

J.J. Burgos Mármol*, A. Patti

The University of Manchester, UK

Sunday, 15 June 2014: Welcome Drinks Reception and Poster Session 1 - 19:00-20:30

Modelling the hydrodynamic properties of rigid fractal aggregates using CFD approach in continuum regime

L. Makowski*, A. Moskal, R. Przekop

Warsaw University of Technology, Poland

Sunday, 15 June 2014: Welcome Drinks Reception and Poster Session 1 - 19:00-20:30

Modelling the micellization of a cationic surfactant with Monte Carlo simulations

J.J. Burgos-Mármol*^{1,2}, C. Solans², A. Patti^{1,2}

¹*The University of Manchester, UK*, ²*Institute of Advanced Chemistry of Catalonia (IQAC-CSIC) and Ciber de Bioingeniería, Biomateriales y Nanomedicina (CIBER-BBN), Spain*

Sunday, 15 June 2014: Welcome Drinks Reception and Poster Session 1 - 19:00-20:30

Modification of Ti(C,N) surfaces for the fabrication of dense structures

J.A. Escribano*, A.J. Sanchez-Herencia, B. Ferrari

Instituto de Cerámica y Vidrio, Spain

Monday, 16 June 2014: Poster Session 2 - 17:30-19:00

Modified ethylsilicate gels with improved mechanical properties

J. Rathousky*, M. Remzova

J. Heyrovsky Institute of Physical Chemistry, Czech Republic

Sunday, 15 June 2014: Welcome Drinks Reception and Poster Session 1 - 19:00-20:30

Modulation of the electrical properties of diacid oligo (Phenylene Ethynylene) langmuir-blodgett films by the pH

L.M. Ballesteros^{1,2}, I. Gascón^{1,2}, H. Artigas¹, S. Marqués-González³, P.J. Low^{3,4}, R.J. Nichols⁵, P. Cea^{*1,2}

¹*University of Zaragoza, Spain*, ²*Instituto de Nanociencia de Aragón (INA), Spain*, ³*University of Durham, UK*,

⁴*University of Western Australia, Australia*, ⁵*University of Liverpool, UK*

Sunday, 15 June 2014: Welcome Drinks Reception and Poster Session 1 - 19:00-20:30

MOF/GO composites: Exploring the concept of new separation media

T.J. Bandoz

The City College of New York, USA

Monday, 16 June 2014: Plenary Session 2 - Smart Particle/Surfaces and Novel Nanomaterials in Surface Design and Engineering - 08:30-09:50
09:10-09:50

Molecular aggregates in cellular environment

B. Xu

Brandeis University, USA

Tuesday, 17 June 2014: Plenary Session 5 - Particles/Surface Coatings and Bio-applications - 14:10-15:30

14:10-14:50

Molecular dynamics simulation of a heavy metal separation through boron nitride nanotubes under different electric fields

J. Azamat², A. Khataee², S.W. Joo^{*1}

¹*Yeungnam University, Republic of Korea*, ²*University of Tabriz, Iran*

Sunday, 15 June 2014: Welcome Drinks Reception and Poster Session 1 - 19:00-20:30

Morphological and compositional evolution of polymeric colloidal crystals during UV irradiation