

## Report of Conference "Interfaces Against Pollution" 2016

The 9th conference "Interfaces Against Pollution" was held in Lleida (Catalonia, Spain) from 4th to 7th September 2016 with the lemma "Environmental Challenges and Opportunities". The inspiration of these interdisciplinary conferences came from Luuk Koopal, back in 1997.

Plenary Speakers were François Morel (Princeton, NJ, USA), Peter Campbell (Quebec, Canada), Laurent Charlet (Grenoble, France), Bert Hamelers (Leeuwarden, Netherlands), Kenneth Dawson (Dublin, Ireland) and Susan Stipp (Copenhagen, Denmark)

Keynote Speakers were Yasuhisa Adachi (Tsukuba, Japan), Pedro Alvarez (Houston, TX, USA), Marc Anderson (Madison, WI, USA), Juan Antelo (Santiago de Compostela, Spain), Marcelo Avena (Bahia Blanca, Argentina), Renata Behra (Zurich, Switzerland), Marc Benedetti (Paris, France), Enric Brillas (Barcelona, Spain), Bill Davison (Lancaster, United Kingdom), Angel Delgado (Granada, Spain), Jean-François Dufrêche (Montpellier, France), Benjamin Erable (Toulouse, France), Martha Gledhill (Kiel, Germany), Marek Grzelczak (San Sebastian, Spain), Nicole Hondow (Leeds, United Kingdom), Keld Jensen (Copenhagen, Denmark), Luuk Koopal (Wageningen, Netherlands), Jamie Lead (Columbia, SC, USA), Jose Paulo Pinheiro (Nancy, France), Takumi Saito (Ibaraki, Japan), Pascal Salaun (Liverpool, United Kingdom), Vera Slaveykova (Geneva, Switzerland), Wenfeng Tan (Wuhan, China), Raewyn Town (Odense, Denmark), Nathalie Tufenkji (Montreal, Canada), David Waite (Sydney, Australia), Liping Weng (Wageningen, Netherlands) and Lenny Winkel (Zurich, Switzerland).

There were a total of 213 participants from all over the world, 6 plenary lectures, 29 keynote lectures and 54 regular talks and 139 posters. The topics revolved around 6 large groups:

- 1.- Water treatment and soil remediation technologies: (Bio)Catalysis and interfaces, Bioelectrodes, Capacitive deionization (CDI), Electrochemistry at interfaces, Membranes, Flotation and coagulation, Flocculation,

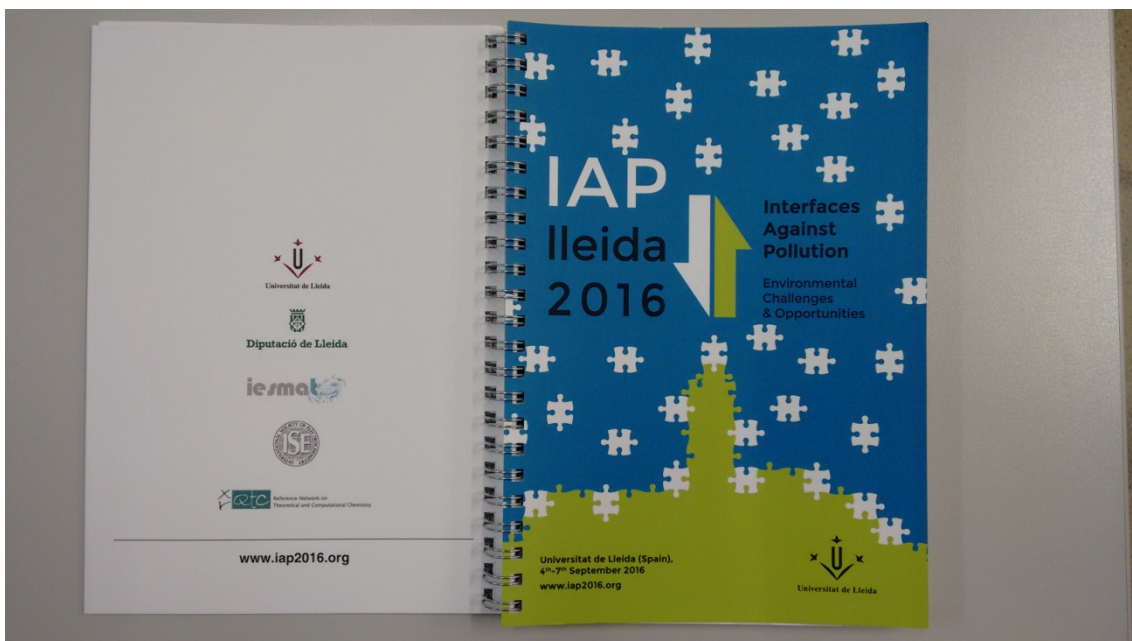
- 2.- Instrumental techniques for probing interfacial processes: Neutrons and X-Rays in Environmental Sciences, Imaging techniques, Confocal and other microscopy techniques AFM
- 3.-Sensors and Biosensors: Elemental speciation, biouptake, bioavailability and toxicity, Analytical Environmental methods, Ecotoxicology, Dynamic and equilibrium modelling
- 4.-Natural and engineered colloids and nanoparticles: Environmental fate & behaviour, Characterization techniques, Transformation, Humic substances
- 5.- Fundamentals of colloid and interface science: Modelling and molecular simulation, Adsorption and bioadhesion, Electrokinetics, Reaction kinetics, catalysis, Transport in porous media
- 6.- Global environmental processes, Energy capture, storage and recovery, Biogeochemistry of carbon cycle, Ocean acidification, Multi-scale modelling

The program was as follows. Reception on Sunday evening. Monday morning: opening ceremony, 2 plenary lectures (50 minutes) and 3 parallel sessions (with 4 keynote or regular talks of 20 minutes each). Monday afternoon parallel sessions (two slots of 80 minutes) and first poster session. Monday evening: visit to the Old Cathedral-Castle. Tuesday morning: 2 plenary lectures and parallel sessions (3 slots of 80 minutes each). Tuesday afternoon: parallel sessions (two slots of 80 minutes) and second poster session. Tuesday evening: gala dinner. Wednesday morning: 2 plenary lectures and parallel sessions (3 slots of 100 minutes each), closing ceremony with awards to students' posters and change of president of IAP (from David Waite to Jerome Duval). Tuesday afternoon: tutorial on Capacitive Deionization given by M. Suss (Technion, Israel) and M. Biesheuvel (Wetsus, Netherlands).

Authors participating in IAP2016 were invited to submit a manuscript for consideration for publication in a special issue of the journal Environmental Chemistry devoted to the Conference.

Sponsors were UdL (Universitat de Lleida), IESMAT (Instrumentación Específica de Materiales), ISE (International Society of Electrochemistry) and XRQTC (Xarxa de Referència de Química Teòrica de Catalunya).

A photo of the book of abstracts follows:



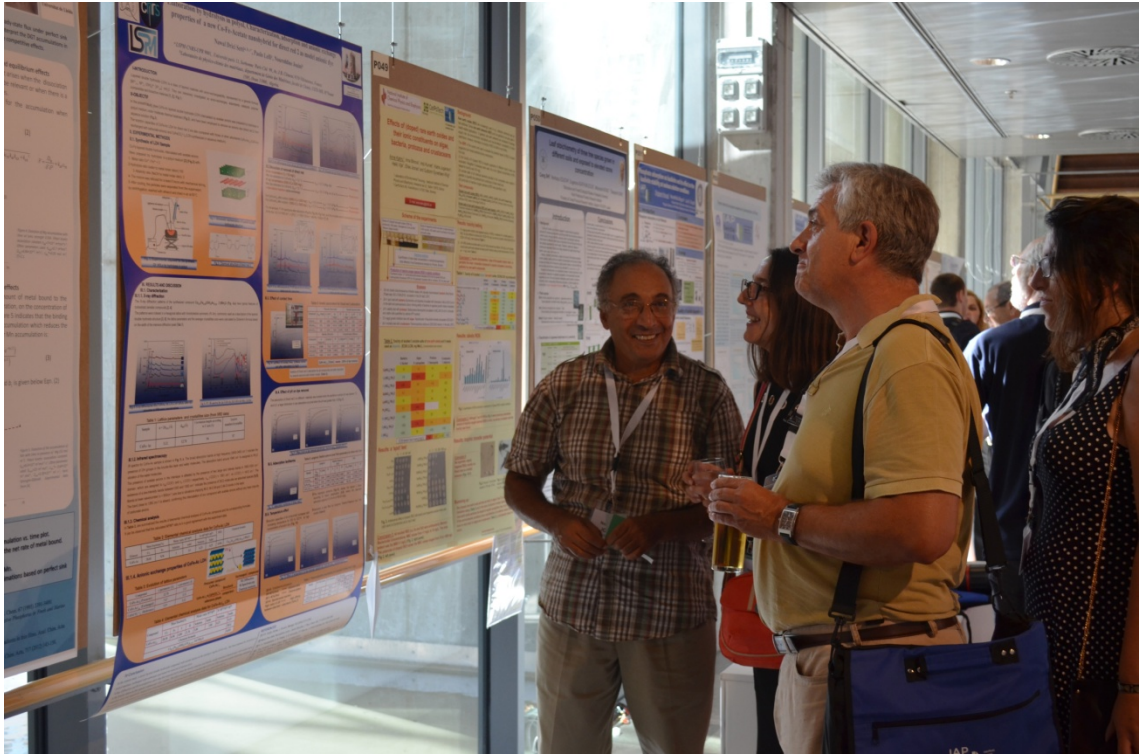
Some photos of the conference follow:











The first page of the flyer is copied below:

**IAP**  
**Lleida**  
**2016**





4<sup>th</sup>-7<sup>th</sup> September  
[www.iap2016.org](http://www.iap2016.org)

**Interfaces Against Pollution**  
Environmental Challenges & Opportunities

**LOCATION** Lleida (Catalonia, Spain)  
(1 hour train from Barcelona)

**TOPICS**  
Water treatment and soil remediation technologies  
Instrumental techniques for the study of interfaces  
Elemental speciation, biouptake, bioavailability, toxicity  
Natural/engineered colloids and nanoparticles  
Fundamentals of colloid and interface science  
Global environmental processes

**Important dates** Early bird registration until 31<sup>st</sup> May 2016  
Regular registration period: 1<sup>st</sup> June - 4<sup>th</sup> September 2016

See more information in the website <http://www.iap2016.org/>

Jaume Puy

Josep Galceran

Carlos Rey-Castro.

Chairs of the local organizing committee.