

## X JORNADES CIENTÍFIQUES DE L'INSTITUT UNIVERSITARI DE MATERIALS D' ALACANT (IUMA) 2014

Lugar: Saló d' Actes de l'edifici Germán Bernácer

**Dijous 23 de Gener de 2014 i Divendres 24 de Gener de 2014**

**09:00** Obertura de las Jornades i Entrega premi Jovens Investigadors-IUMA

**09:30-10:30** "*Combining operando and in situ Raman methodologies with ab initio calculations to understand structure-performance relationships in Catalysis*" Miguel A. Bañares. Catalytic Spectroscopy Laboratory CSIC-Institut de Catàlisi i Petroleoquímica, Madrid.

**10:30-11:00** "Using electrochemistry for the preparation of homogeneous carbon nanotube coatings in insulating capillary tubes". Carlos Sanchis. Institut Universitari de Materials d'Alacant.

**11:00-12:00** Cafè i sessió de pòsters

**12:00 -12:30** "*Hadron therapy: Ion beams against cancer*" Isabel Abril, Pablo de Vera, Rafael Garcia Molina. Instituto Universitario de Materiales de Alicante (IUMA).

**12:30-13:30** "Novel porous materials in electrochemistry" Frank Marken. Department of Chemistry. University of Bath.

**13:30-15:30** Menjar

**15:30-16:00** Sessió de pòsters

**16:00-16:30** "Improving the energy density of aqueous-based hybrid asymmetric supercapacitors ". Ramiro Ruíz Rosas. Institut Universitari de Materials d'Alacant (IUMA).

**16:30-17:30** "*Copper matrix composites: processing, properties, and a new in-situ process*". Andreas Mortensen. Laboratory of Mechanical Metallurgy, Institute of Materials Ecole Polytechnique Fédérale de Lausanne.

**Divendres 24 de Gener de 2014**

**09:30-10:30** "*Theoretical tools for the design of photovoltaic cells*". Carlo Adamo. L'Ecole Nationale Supérieure de Chimie de Paris (Chimie ParisTech).

**10:30-11:00** "*MOFs: Oportunities in Catalysis*". Enrique V. Ramos Fernández. Institut Universitari de Materials d'Alacant .

**11:00-12:00** Cafè i sessió de pòsters

**12:00-12:30** *"Organic based materials acting as semiconductors and catalysts"*, Mónica Moral Muñoz . Institut Universitari de Materials d'Alacant.

**12:30-13:30** *"Playing Billiard with Light in Closed and Open Cavities: from Nonlinear Nanoplasmonics to Polymer Based Microlasers"*, Joseph Zyss. Quantum and Molecular Photonics Laboratory, CNRS and Ecole Normale Supérieure de Cachan.

**13:30** Clausura de les Jornades