

April 7, Wed

MOZART annual meeting Organized by C. Magén, C. Garel and L.M. Lacroix **CANCELLED**

April 8, Th

| Invited  | Time  | Speaker                      | Affiliation                                 | Title   |
|--|-------|------------------------------|---|---|
| Trends in Nanotechnology instrumentation (10:00-13:15) chair: J. Lobo  | 09:10 | J.A. Martín Gago             | ICMM, CSIC, Madrid                          | <b>Nanoscience for understanding dust and molecular complexity in the cosmos</b>   |
|  | 10:00 | Valdáres, Manuel             | ALBA synchrotron, Barcelona                 | Soft X-ray magnetic dichroism and scattering synchrotron approaches for magnetic nano materials   |
|  | 10:20 | Orús, Pablo                  | INMA, CSIC-Universidad de Zaragoza          | Recent findings in superconducting W-C nanostructures using Focused Ion Beams   |
|  | 10:40 | Pablo-Navarro, Javier        | Helmholtz-Zentrum Dresden-Rossendorf (HZDR) | Focused-electron-beam deposition assisted by an electrically-biased patterned metal structure   |
|  | 11:00 |                              |   | Coffey Break  |
|  | 11:30 | Diego, Lander                | Antec (SME), Bilbao                         | Antec Magnets & Nanotechnology  |
|  | 11:45 | Sarmiento, Gustavo           | Suprasys (SME), Bilbao                      | SUPRASYS, your partner for sample environment   |
|  | 12:00 | Zurutuza, Amaia              | Graphenea (SME), San Sebastián              | Graphene foundry  |
|  | 12:15 | Herrero Gómez, Pablo         | DIPC, San Sebastián                         | Liquid injection of macromolecules in ultra-high vacuum   |
|  | 12:35 | Peña-Díaz, Marina            | CFM, CSIC-UPV/EHU, San Sebastián            | Potential Induced Structure Changes at Au(111) Surface in Acidic Solution   |
| On surface synthesis of nanomaterials (15:00-17:40) chair: J.I. Pacual | 12:55 | Pelaez-Fernandez, Mario      | LMA, Universidad de Zaragoza                | Tuning of plasmonic response of high aspect-ratio Au Nanowires through laser irradiation: a STEM/EELS study   |
|  | 13:15 |                              |   | Lunch   |
|  | 15:00 | Salvador, Alba               | INMA, CSIC-Universidad de Zaragoza          | Ultrafast growth of metallic deposits by focused ion beam induced deposition under cryogenic conditions (Cryo-FIBID)  |
|  | 15:20 | Hernández-López, Leyre       | INMA, CSIC-Universidad de Zaragoza          | Searching for edge states in a predicted organic topological insulator  |
|  | 15:40 | Schneider, Kathrin           | CEMES, CNRS, Toulouse                       | UV assisted synthesis of poly-para-phenylene on Ag(100)   |
|  | 16:00 | Tenorio, María               | ICN2, Barcelona                             | Built-in atomically precise heterojunctions from hybrid Nanoporous graphene   |
|  | 16:20 |                              |   | Coffey break  |
|  | 16:40 | Berdonces-Layunta, Alejandro | DIPC, San Sebastián                         | Addressing the stability of chiral graphene nanoribbons   |
|  | 17:00 | Lauwaet, Koen                | IMDEA Nanociencia, Madrid                   | Diradical Organic One Dimensional Polymers Synthesized on a Metallic Surface  |
|  | 17:20 | Durán, Jose Ramón            | ICN2, Barcelona                             | Transferring and Contacting Atomically Precise Graphene Nanostructures  |
|  | 20:00 |                              |   |  On-line event (beer friendly): Juggling and Maths (by Serendipia Productions)  |

April 9, Fr

| Invited  | Time  | Speaker                   | Affiliation                              | Title   |
|--|-------|---------------------------|--|---|
| Nanostructured funcional oxides (10:00-12:50) chair: C. Rogero | 09:10 | Maria Varela              | Universidad Complutense de Madrid        | <b>Tales from the Nanoworld</b>                                    |
|  | 10:00 | Hettler, Simon            | LMA, Universidad de Zaragoza             | STEM-EELS analysis of Fe <sub>3</sub> O <sub>4</sub> @CoFe <sub>2</sub> O <sub>4</sub> @Fe <sub>3</sub> O <sub>4</sub> core-shell-shell nanoparticles |
|  | 10:20 | Crespo Villanueva, Adrián | ICMAB, CSIC, Barcelona                   | Structural characterization of the anatase-TiO <sub>2</sub> (001) film surface  |
|  | 10:40 | Fuentes, Victor           | ICMAB-ICN2, Barcelona                    | Effects of the dimensionality driven metal-insulator transition on strontium iridate memristors   |
|  | 11:00 |                           |  | Coffee break  |
|  | 11:30 | Domínguez-Celorio, Amelia | CEMES, CNRS, Toulouse                    | Controlled gating of graphene nanoribbons onto intercalated MgO monolayers  |
|  | 11:50 | Bernechea Navarro, María  | ARAID/INMA, CSIC-Universidad de Zaragoza | Opportunities of using NiOx nanoparticles to grow thin films  |
|  | 12:10 | Louiset, Antonin          | CEMES, CNRS, Toulouse                    | Thin film transfer of piezoelectric LiTaO <sub>3</sub> on Si : focus on structural and chemical modifications   |
|  | 12:30 | Boix, Raúl                | INMA, CSIC-Universidad de Zaragoza       | New nanostructured metal oxides for use in photocatalysis   |
|  | 12:50 |                           |  | Lunch   |
| Nanomagnetism (15:00-16:20) chair: E. Snoeck                   | 15:00 | Gracia-Abad, Rubén        | INMA, CSIC-Universidad de Zaragoza       | Magnetotransport Phenomena in Bi <sub>2</sub> Se <sub>3</sub> Thin Films  |
|  | 15:20 | Andersen, Ingrid Marie    | CEMES, CNRS, Toulouse                    | Field tunable 3D magnetic states in CoNi nanowires  |
|  | 15:40 | Martín-Rio, Sergi         | ICMAB, CSIC, Barcelona                   | Ferromagnetic Resonance exposed: magnetization dynamics and applications  |
|  | 16:00 | Bartolomé, Fernando       | INMA, CSIC-Universidad de Zaragoza       | Magnetism of a Cr <sub>10</sub> molecular wheel with S=9 ground-state   |
|  |       |                           |  |   |

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