

Summer school in Basics and Applications of Nanolithography

Jaca, Spain. July 16th-18th, 2018

TENTATIVE SCIENTIFIC PROGRAM

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| Day 1 | MONDAY, JULY 16TH |
| 09:00-11:00 | Soraya Sangiao and José María De Teresa Opening words and Introduction to Nanofabrication Techniques |
| 11:30-13:30 | <i>Chairperson: S. Sangiao</i> David López (ISOM and CRESTEC, Madrid) Practical examples and new developments in Electron Beam Lithography |
| 13:30-16:00 | LUNCH AND FREE TIME |
| 16:00-18:00 | <i>Chairperson: J. M. De Teresa</i> Anpan Han (DTU, Copenhagen) Organic ice resists |
| 18:00-20:00 | <i>Chairperson: S. Sangiao</i> Guy Whitworth (ICN2, Barcelona) Optical metrology in Nanofabrication |

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| Day 2 | TUESDAY, JULY 17 TH |
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| | <i>Chairperson: J. M. De Teresa</i> |
| 09:00-11:00 | Ricardo García (ICMM, Madrid) Nanolithography with an Atomic Force Microscope |
| | <i>Chairperson: S. Sangiao</i> |
| 11:30-13:30 | Luis Hueso (Nanogune, San Sebastián) Nanodevices based on 2D materials |
| 13:30-16:00 | LUNCH AND FREE TIME |
| | <i>Chairperson: J. M. De Teresa</i> |
| 16:00-18:00 | Rosa Córdoba Castillo (ICMA, Zaragoza) Focused Ion Beam applied to Nano-superconductivity |
| | <i>Chairperson: S. Sangiao</i> |
| 18:00-20:00 | Isabel Rodríguez (IMDEA, Madrid) Nano-engineered (multi)functional surfaces |

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| Day 3 | WEDNESDAY, JULY 18 TH |
| | <i>Chairperson: J. M. De Teresa</i> |
| 09:00-11:00 | Francesc Pérez-Murano (CNM, Barcelona) Nanodevices combining several lithography techniques |
| | <i>Chairperson: S. Sangiao</i> |
| 11:30-13:30 | Toni Helm (Max Planck Institute, Dresden) Patterning of quantum materials |
| 13:30 | TEST, LUNCH AND END OF THE SCHOOL |

*Registration will open soon via the link: <https://cursosextraordinarios.unizar.es/>

*Students can apply for NANOLITO fellowships covering the transport, lodging and meals (not the registration fees). Write an email to deteresa@unizar.es containing the following information: letter of interest, brief CV and support letter from a supervisor.

