

INVITED SPEAKERS

JOSE MARÍA DE TERESA (INMA-CSIC-University of Zaragoza)
Opening remarks and Introduction to Nanofabrication Techniques

VITO CLERICÓ (USAL-Nanolab and Nanotechnology Group, Univ. Salamanca)
E-beam lithography and cryo-etching for the definition of sharp edges in 2D-materials

ANNA PALAU (ICMAB-CSIC, Barcelona)
Lithography applied to high-temperature superconductors

DMITRI K. EFETOV (ICFO, Barcelona)
Magic Angle Bilayer Graphene: Superconductors, Orbital Magnets, Correlated States and beyond

GREGOR HLAWACEK (Helmholtz-Zentrum Dresden-Rossendorf)
Helium Ion imaging and patterning

CÉSAR PASCUAL GARCÍA (Luxembourg Institute for Science and Technology)
Field effect transistor biosensors: Optimisation of the influence of size and geometry and fabrication methods

EDOARDO ALBISETTI (Politecnico di Milano)
Thermal scanning probe lithography

ISABEL RODRÍGUEZ (IMDEA Nanociencia, Madrid)
Functional soft-nanoimprinted surfaces

RYAN CECIL NG (ICN2 Barcelona)
3D fabrication via two-photon lithography direct laser writing

ELVIRA PAZ (INL, Braga)
Microfabrication process of magnetic sensors based on magnetic tunnel junctions

ORGANIZERS

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VENUE

SALÓN DE ACTOS
FACULTY OF SCIENCE
UNIVERSITY OF
SALAMANCA PLAZA DE LA
MERCED S/N
37008 SALAMANCA

COFFEE-BREAKS

PATIO DEL EDIFICIO DE LA
MERCED
MATHS DEPARTMENT

SUMMER SCHOOL: BASICS AND APPLICATIONS OF NANOLITHOGRAPHY

29-30 June and 1 July
(SALAMANCA)

NANOLITO

<https://lbt.usal.es/nanolito-2021/>

2021

Nanolito is the **Spanish Nanolithography Network**. It is an initiative sponsored by the Spanish Ministry of Economy and Competitiveness and has as an objective to promote knowledge transfer among the different partners involved in nanolithography.

For the students, the main objectives of this course are to get exposed to the different available nanolithography techniques and to learn the required interdisciplinary approaches to solving the technological challenges involved in fabricating a nanodevice, especially in the case of biosensors. It is intended that the student can get to know first-hand international specialists in the field of Nanotechnology and Nanofabrication, as well as other students in this subject, thus promoting and nurturing future collaborations and multidisciplinary bets in this challenging field of study.

Students will be able to present their work both during a powerpoint-slide session, where they will briefly introduce their research project, as well as during coffee breaks, where poster sessions will take place.