

WEDNESDAY, 25TH JANUARY 2017

14:45-15:00 **Opening**

Chairman: J.M. Cerveró

15:00-15:50 **F. Guinea (IMDEA, Madrid)** – *Strains and electrons in two dimensional materials.*

15:50-16:10 **F. Koppens (ICFO, Barcelona)** – *Quantum plasmonics, polaritons and strong light-matter interactions with 2d material heterostructures.*

16:10-16:30 **F. Calle (ISOM, Madrid)** – *Super capacitors based in 3D graphene foams.*

16:30-16:50 **G. Balakrishnan (Warwick, UK)** – *Topological and Dirac materials: Bulk crystals to Nanomaterials.*

17:00-17:30 **Coffee Break and Poster Session.**

Chairman: A. Castellanos

17:30-17:50 **M. Amado (CAMBRIDGE Univ., UK)** – *Tailoring magnetic graphene proximity coupled to ferromagnetic insulators.*

17:50-18:10 **J. M. de Teresa (ICMA, Zaragoza)** – *Weak localization in wafer-scale graphene.*

18:10-18:30 **F. Domínguez-Adame (UCM, Madrid)** – *Thermoelectric response of graphene quantum rings.*

18:30-18:50 **M. Sledzinska (ICN2, Barcelona)** – *Nano scale thermal transport in 2D materials.*

18:50-19:10 **A. Rivera-Calzada (UCM, Madrid)** – *Planar nanostructures of ferromagnetic manganites by e beam lithography.*

19:10-19:30 **L. Hueso (Nanogune, Donostia)** – *A 2d field-effect spin transistor.*

19:30-20:00 **Visit of Nanolab Facilities.**

21:00 **Conference dinner at Hospedería Colegio Fonseca.**

THURSDAY, 26TH JANUARY 2017

Chairman: L. Hueso

9:00-9:30 **A. Castellanos (IMDEA, Madrid)** – *2D Materials and Devices.*

9:30-9:50 **S. Pezzini (HMFL, Nijmegen)** – *Van der Waals heterostructures in high magnetic fields.*

9:50-10:10 **R. García (ICMM, Madrid)** – *Advanced Scanning Probe Lithography for nanopatterning and nanoelectronics.*

10:10-10:30 **A. Bachtold (ICFO, Barcelona)** – *Mechanical resonators based on graphene and TMDs.*

10:30-10:50 **G. Rius (CNM, Barcelona)** – *Micro and Nanofabrication for Graphene Electronics.*

10:50-11:10 **P. Alonso González (U. Oviedo)** – *Acoustic terahertz graphene plasmons revealed by photocurrent nanoscopy.*

11:10-11:45 **Coffee Break and Poster Session.**

Chairman: F. Domínguez-Adame

11:45-12:00 **V. Clericó (U, Salamanca)** – *Fabrication and characterization of Graphene and Graphene Oxide/hBN heterostructures.*

12:00-12:15 **R. Frissenda (IMDEA, Madrid)** – *Bandgap tuning of single-layer transition metal dichalcogenides under biaxial strain.*

12:15-12:30 **P. Gant (IMDEA, Madrid)** – *Novel method to measure electrical properties of two dimensional materials based on carbon fibres.*

12:30-12:45 **S. Mañas (UV, Valencia)** – *Transition metal dichalcogenides in the 2D limit: Enhanced superconductivity in atomically-thin 2H-TaS₂ layers.*

THURSDAY, 26TH JANUARY 2017

Chairman: M. Velazquez

Closing Session: Graphene Industry in Spain

12:45-13:05 **M. García Hernández (Graphene Flagship, ICMM Madrid)** – *Spanish alliance on graphene.*

13:05-13:25 **A. Zurutuza (Graphenea, Donostia)** – *Requirements for graphene-based devices.*

13:25-13:45 **N. Campos (Graphene Square, Avilés)** – *New trends in CVD methods for the synthesis of large-area bidimensional materials beyond graphene.*

13:45-14:05 **C. Merino (Grupo Antolín, Burgos)** – *Graphene Related Materials from Grupo Antolin and their use for transport applications.*

14:05-14:25 **A. García (GPNT, Zaragoza)** – *Synthesis of epitaxial graphene on SiC for electronic applications.*

14:25-14:30 **Closing meeting**

14:30 **Conference lunch at Hospedería Colegio Fonseca and Farewell**



UNIVERSIDAD
DE SALAMANCA

CAMPUS DE EXCELENCIA INTERNACIONAL

Sal
800 AÑOS
1218 - 2018

This **workshop** will be oriented towards the use of nanolithography techniques in the fabrication and characterization of nanodevices based on graphene and other **2D materials**. Any applications based on nanofabrication techniques with these materials as nanopore membranes are also welcome. We aim to have a relaxed meeting in which we can all share our recent advances and results in these field and identify which are the main unsolved problems in the nanolithography processing of these materials.

VENUE

Sala Presentaciones - 1ª Planta
Edificio I+D+i - UNIV. de Salamanca
c/ Espejo, 2
37007 Salamanca

SECRETARY

Seminario 12.2 - 1ª Planta
Edificio I+D+i - UNIV. de Salamanca
c/ Espejo, 2
37007 Salamanca

COFFEE-BREAKS

Hall 1ª Planta I+D+i

CONFERENCE DINNER

Hospedería Colegio Fonseca.

CONFERENCE LUNCH

Hospedería Colegio Fonseca.



WIFI

NETWORK: VISITORS
PASSWORD: bdfh1357

CRESTED



LOCALIZATION MAP:

- Venue (I+D+i)
- Way to Abba
- Hospedería Colegio Fonseca
- Hotel Abba Fonseca
- Way to Hospedería Colegio F...



rednanolito

NANOLITO 2017

25-26 January (SALAMANCA)



NANODEVICES
BASED ON
GRAPHENE AND
2D MATERIALS