

TENTATIVE PROGRAM (as of 04/06/2021)

Conference Time Zone – Madrid, Spain (GMT+2)



K: Keynote lecture / I: Invited Lecture / FP: FlashPoster contribution



Thursday (10/06/2021)

08:50 – 09:00: *Opening - Welcome and Introduction*

Antonio Correia – President (Phantoms Foundation, Spain)

Lluís F. Marsal – (Universitat Rovira i Virgili, Spain)

09:00 – 09:30: **Luis M. Liz-Marzán** (CIC biomaGUNE, Spain) K

Removing SERS Memory Effects in Plasmonic Superlattices

09:30 – 10:00: **Romain Quidant** (ETH Zürich, Switzerland) K

Dielectric nanophotonics for reconfigurable planar optics and biosensing

10:00 – 10:30: **Klaas-Jan Tielrooij** (ICN2, Spain) K

Studying heat transport in 2D materials using ultrafast light

10:30– 10:45: *Break*

10:45 – 11:15: **Maria Kafesaki** (Univ. Crete & Forth, Greece) K

Wave scattering in chiral parity-time symmetric metamaterials

11:15 – 11:35: **Ivan Maksymov** (Swinburne University of Technology, Australia) I

Nonlinear dynamics in novel plasmonic and spintronic systems

11:35 – 11:55: **Francesco Pineider** (Università di Pisa, Italy) I

High performance infrared magnetoplasmonics with transparent conductive oxide nanostructures

11:55 – 12:15: **Nerea Zabala** (UPV-EHU, Spain) I

Plasmonic antenna hybrids for active control of the optical response

12:15 – 12:25: **Alvaro Rodriguez Echarri** (ICFO - The institute of Photonic Sciences, Spain) O

Nonlinear plasmonic response of crystalline few-atom-thick silver films

12:25 – 12:35: **Manuel Marques** (IFIMAC Universidad Autonoma de Madrid, Spain) O

Magneto-optical binding in the near field

12:35 – 12:50: *FlashPosters session*

12:35 – 12:40: **Bruno Candelas** (Materials Physics Center, Spain) FP

First-principles study of plasmon-molecule coupling in metallic cluster dimers

12:40 – 12:45: **Mattin Urbieto** (UPV/EHU, Spain) FP

Unveiling atomic-scale features in plasmonic nanoparticles using light and electron beams

12:45 – 12:50: **Evelyn Díaz Escobar** (Nanophotonics Technology Center, Spain) FP

Radiationless anapole states in on-chip photonics

12:50 – 13:15: *ePosters session*

13:15 – 14:00: *Lunch Break*

14:00 – 14:30: **Jouni Ahopelto** (VTT, Finland) K

Nanocrystalline silicon, a material for future applications

14:30 – 15:00: **Ewold Verhagen** (AMOLF, The Netherlands) K

Optomechanical frequency conversion: fundamentals and applications in photonics and phononics

15:00 – 15:30: **Antonio I. Fernández-Domínguez** (UAM/IFIMAC, Spain) K

Plasmon-exciton coupling: electromagnetic field quantization and emitter description beyond the two-level, point-dipole approximation

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| 15:30 – 16:00: Javier Garcia de Abajo (ICFO, Spain) | K |
| <i>Quantum interactions between free electrons and optical excitations</i> | |
| 16:00 – 16:10: Eduardo J. C. Dias (ICFO - The Institute of Photonic Sciences, Spain) | O |
| Maximal Coupling of Light into 2D Polaritons | |
| 16:10 – 16:25: <i>Break</i> | |
| 16:25 – 16:45: Hanan Herzig Sheinfux (ICFO, Spain) | I |
| <i>Bound in the continuum modes and multimodal physics in indirectly-patterned hyperbolic media</i> | |
| 16:45 – 16:55: Jacopo Fregoni (Universidad Autónoma de Madrid, Spain) | O |
| <i>Photoprotecting uracil by coupling with lossy nanocavities</i> | |
| 16:55 – 17:05: Guilhem Madiot (ICN2, Spain) | O |
| <i>Vibrational resonance amplification in a thermo-optic photonic crystal optomechanical cavity</i> | |
| 17:05 – 17:15: Diego Martín Cano (IFIMAC / Universidad Autónoma de Madrid, Spain) | O |
| <i>Engineering long-lived vibrational states for an organic molecule</i> | |
| 17:15 – 17:25: Carlos Gonzalez-Ballester (Innsbruck University, Austria) | O |
| <i>Spin-steered magnonics</i> | |
| 17:25 – 17:45: Saroj Prasad Dash (Chalmers University of Technology, Sweden) | I |
| <i>Spin on 2D Topological Quantum Material Devices</i> | |
| 17:45– 18:05: Pablo Sanchis (NTC-UPV, Spain) | I |
| <i>Optical switching on silicon photonics with phase change materials</i> | |
| 18:05 – 18:15: Joscha Kruse (Donostia International Physics Center, Spain) | O |
| <i>Temperature triggered dynamic self-assembly of gold nanoparticles and -rods: The role of hysteresis</i> | |
| Closing | |