

## Symposium S4: Applied Photonics. Room 0.4 (ground floor)

Chairs: Elena Pinilla, Maribel Gómez

Time	Wednesday, July 17th
15:00	<b>Pablo Alonso</b> Nano-optics in 2D materials ( <b>invited</b> )
15:30	<b>Javier Martín</b> Tuning of the optical properties of single photon sources by elastic strain engineering (oral)
15:50	<b>Fernando Jiménez</b> Fabrication of MoS <sub>2</sub> p-n Homo-junctions via Direct Nanopatterning (oral)
16:10	<b>Juan José Esteve</b> Quenching of the exciton recombination in strained few-layered monochalcogenides (oral)
16:30	<b>POSTERS + COFFEE</b> S4-P1. <b>Víctor Marzoa</b> : Optical characterization of few-layer molybdenum disulfide mechanical resonators S4-P2. <b>Augusto Beléndez</b> : Wave-couplers for see-through applications on photopolymers S4-P3. <b>Jorge Omar Álvarez Pérez</b> : Propiedades láser de monocristales Yb:Ca <sub>3</sub> (NbGa $\alpha$ ) <sub>5</sub> O <sub>12</sub> con desorden estructural S4-P4. <b>Victoria Estes</b> : Optical interference effects on the Casimir-Lifshitz force between plane-parallel systems with multilayer nanostructures S4-P5. <b>Cruz Méndez</b> : VEGA laser facility: current system capabilities and near future improvements S4-P6. <b>Pascuala García Martínez</b> : Highly efficient generation of arbitrary vector beams S4-P7. <b>Jorge Parra</b> : Indium tin oxide for a new generation of photonic devices S4-P8. <b>Fernando López Tejeira</b> : Dipole resonances of sub-wavelength dielectric spheres in the optical range: approximate conditions for moderate- and high-refractive-index materials
17:10	<b>Miguel Anaya</b> . Premio de tesis experimental. Optical design of metal-halide perovskite-based materials and devices ( <b>invited</b> )
17:40	<b>Elena Cabello Olmo</b> Tamm plasmons for controlled emission of nanophosphors (oral)
18:00	<b>Laura Mercadé</b> Towards large coupling rate in optomechanical crystal cavities with a full phononic bandgap (oral)
18:20	<b>José María Miranda Muñoz</b> Flexible optically disordered materials for LED coatings (oral)
18:40	<b>Flash Talks</b> 1. <b>Victoria Estes</b> : Optical interference effects on the Casimir-Lifshitz force between plane-parallel systems with multilayer nanostructures 2. <b>Jorge Parra</b> : Indium tin oxide for a new generation of photonic devices 3. <b>Pascuala García Martínez</b> : Highly efficient generation of arbitrary vector beams 4. <b>Cruz Méndez</b> : VEGA laser facility: current system capabilities and near future improvements 5. <b>Fernando López Tejeira</b> : Dipole resonances of sub-wavelength dielectric spheres in the optical range: approximate conditions for moderate- and high-refractive-index materials