

Online nanoGe Fall Meeting 20 (OnlineNFM20)

#Photon20. Photonic Concepts in Energy Conversion

2020 October 20th

Conference Chairs: Felix Deschler and Jordi Martorell

Conference Program

October 20th - Day 1 (Tuesday)	
08:30 - 08:35	Photon Opening nanoGe
08:35 - 08:45	Photon Session Introduction
	Photon 1.1 Chair: Jordi Martorell
08:45 - 09:05	<u>Stefan Maier</u> (<i>Ludwig-Maximilians-Universität München (LMU)</i>)
1.1-11	Nanoantennas for light harvesting and energy conversion
09:05 - 09:25	<u>Hernán Míguez</u> (<i>Instituto de Ciencia de Materiales de Sevilla (ICMS), Consejo Superior de Investigaciones Científicas (CSIC), Universidad de Sevilla</i>)
1.1-12	ROLE OF PHOTONIC MATERIALS IN ENERGY CONVERSION PROCESSES AND DEVICES
09:25 - 09:45	Discussion
09:45 - 12:00	Photon Break
12:00 - 12:05	Photon Opening nanoGe
	Photon 1.2
12:05 - 12:15	<u>Martí Gibert-Roca</u> (<i>Institut de Ciència de Materials de Barcelona (ICMAB-CSIC), Spain</i>), Pau Molet, Agustín Mihi, Mariano Campoy-Quiles
1.2-T1	Near Infrared Organic Photodetectors based on Enhanced Charge Transfer State Absorption by Photonic Architectures
12:15 - 12:25	<u>Audrey CHU</u> (<i>Sorbonne Université, CNRS, Institut des NanoSciences de Paris, INSP, France</i>), Charlie Gréboval, Grégory Vincent, Emmanuel Lhuillier
1.2-T2	Guided Mode Resonators in Nanocrystal-Based Detectors: From Absorption Enhancement to Spectral Shaping
12:25 - 12:35	<u>Catherine Mauck</u> (<i>Kenyon College</i>), William A. Tisdale
1.2-T3	Donor-acceptor molecular doping enables tunable exciton binding energy in n = 1 lead halide perovskites
12:35 - 12:45	
12:45 - 13:15	Discussion
13:15 - 13:20	Photon Short Break
13:20 - 13:30	Photon Session Introduction 1.3
	Photon 1.3
13:30 - 13:50	<u>Erik Garnett</u> (<i>Center for Nanophotonics, AMOLF, The Netherlands</i>)
1.3-11	Understanding and controlling hot-electron photochemical reactions with nanophotonics
13:50 - 14:10	<u>Dan Congreve</u> (<i>Rowland Institute at Harvard, Massachusetts, US</i>), Sam Sanders, Mahesh Gangishetty, Andrew Pun, Luis Campos, Ben Ravetz, Emily Churchill, Tom Rovis
1.3-12	Applications of Triplet Fusion Upconversion
14:10 - 14:30	Discussion
14:30 - 14:35	Photon Closing
14:50 - 16:30	ePoster Session

Poster Contribution

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| 125 | <u>Catherine Mauck</u> (<i>Massachusetts Institute of Technology (MIT), Department of Chemical Engineering</i>)
Donor-acceptor Molecular Doping Enables Tunable Exciton Binding Energy in n = 1 Lead Halide Perovskites |
| 265 | <u>Jose M. Viaña</u> (<i>Instituto de Ciencia de Materiales de Sevilla (CSIC-US), ES</i>), Jose M. Miranda, Gabriel Lozano, Hernán Míguez
Optical Disorder for Enhanced Colour Conversion and Efficient Bifacial Dye-Sensitized Solar Cells. The Mie Glass: Fabrication and characterization |
| 267 | <u>Laura Calìò</u> (<i>Multifunctional Optical Materials group, Institute of Materials Science of Seville, Consejo Superior de Investigaciones Científicas (CSIC) – Universidad de Sevilla (US), Américo Vespucio 49, 41092, Seville, Spain</i>), Aaron Bayles, Sol Carretero-Palacios, Gabriel Lozano, Mauricio E. Calvo, Hernán Míguez
Localized surface plasmon effects on the photophysics of perovskite thin films embedding silver nanocubes |