

## EPP-2021 list of posters (updated 11.03.2021)

<https://epp2021.ch>

#	First name	Last name	Institution	Poster title
1	Sergiu	Amarie	attocube	Advance Nanoscale Technology
2	Patricia	Aguilar Merino	University of Oviedo	Extracting the Infrared Permittivity of SiO <sub>2</sub> Substrates Locally by Near-Field Imaging of Phonon Polaritons in a van der Waals Crystal
3	Duncan	Alexander	EPFL	Near-field imaging of resonant eigenmodes in dielectric nanocavities using STEM-EELS
4	Gonzalo	Álvarez-Pérez	University of Oviedo	Enabling propagation of anisotropic polaritons along forbidden directions via a topological transition
5	Leonetta	Baldassarre	Sapienza University of Rome	Phonon-polaritons in thin flakes of hexagonal boron nitride on gold observed by means of photo-thermal induced infrared nanospectroscopy
6	Francesco	Barantani	University of Geneva - EPFL	Nanoscale-femtosecond dielectric response of Mott insulators captured by two-color near-field ultrafast electron microscopy
7	Noémie	Bonnet	Université Paris-Saclay - CNRS	Unveiling nanoscale optical and structural properties of TMD monolayers using combined electron spectroscopies techniques
8	Andrei	Bylinkin	CIC nanoGUNE BRTA	Vibrational strong coupling with phonon polaritons by scanning near-field microscopy
9	Nathaniel	Capote-Robayna	DIPC	topological transitions and canalization of phonon polaritons in twisted biaxial slabs
10	Emmanuel	Cappelluti	CNR	Hot-phonon physics in MgB <sub>2</sub> triggered by anisotropic electron-phonon coupling
11	Dipanjan	Chaudhuri	Johns Hopkins University	THz 2D Coherent Spectroscopy and Anomalous Non-Linear THz Response in La(2-x)SrxCuO <sub>4</sub>
12	Iris	Crassee	Université de Genève	Simultaneous analysis of far- and near-field experimental data
13	Kateryna	Domina	V. N. Karazin Kharkiv National University	Optical Magnetic Lens: towards actively tunable terahertz optics
14	Jiahua	Duan	University of Oviedo	Focusing of in-plane hyperbolic polaritons in van der Waals crystals with tailored infrared nanoantennas
15	Armin	Feist	University of Göttingen	High-purity free-electron momentum states prepared by three-dimensional optical phase modulation
16	Ana Isabel	Fernández-Tresguerres Mata	University of Oviedo	Launching of ultra-low-loss anisotropic polaritons in alpha-MoO <sub>3</sub> by gold resonant plasmonic nanoantennas
17	Ulrich C.	Fischer	Göttingen	The function of a Tunnel Gap between two gold atoms as a Spin Orbit Transformer (SPOT)
18	Adrian	Gozar	Yale University	Observation of Surface Josephson Plasmons in LaSrCuO Superconductor by THz-SNOM
19	Jan-Wilke	Henke	University of Göttingen	Continuous-wave electron-light interaction in high-Q whispering gallery microresonators
20	Hanan	Herzig Sheinfux	ICFO	Bound in the continuum modes in indirectly-patterned hyperbolic media
21	Michal	Horák	Brno University of Technology	Influence of primary beam energy on localized surface plasmon resonances mapping by STEM-EELS
22	Sergei	Klimin	Institute of Spectroscopy RAS	Plasmon-polaritons in a mixed Si-doped nitrides (Al,Ga)N
23	Vlastimil	Krápek	Brno University of Technology	Magnetic field imaging with EELS based on Babinet's principle
24	Veronica	Leccese	EPFL	Twisted matter waves and polarization resolved electron energy loss spectroscopy (p-EELS)
25	Alexander	Lee	Rutgers University, New Brunswick	Resonant Raman Scattering in the 3D Rashba Spin-Split System, BiTeI
26	Matthias	Liebtrau	AMOLF	Efficient energy-modulation of free electrons by a multilayer metal-dielectric metasurface
27	Kelly	Mauser	AMOLF	Employing cathodoluminescence for nanothermometry and thermal transport measurements in semiconductor nanowires
28	Bastien	Michon	University of Geneva	The spectral weight of hole doped cuprates across the pseudogap critical point.
29	Saar	Nehemia	Technion	Resonant phase-matching between a light wave and a free-electron wavefunction
30	Vishal	Panchal	Bruker	Near-field IR sSNOM spectroscopy and imaging studies of 2D materials

31	Javier	Taboada-Gutiérrez	University of Oviedo	Extracting the Infrared Permittivity of SiO <sub>2</sub> Substrates Locally by Near-Field Imaging of Phonon Polaritons in a van der Waals Crystal
32	Tefera Entel	Tesema	The University of New Mexico	Composition Dependent Molecular Architecture in Thin films of Binary Polymer Blends
33	Kirill	Voronin	Moscow Institute of Physics and Technology	Nanofocusing of acoustic graphene plasmon polaritons for enhancing mid-infrared molecular fingerprints
34	Konstantin	Wirth	RWTH, Germany	Tunable s-SNOM for Nanoscale Infrared Optical Measurement of Electronic Properties of Bilayer Graphene
35	Steffi	Woo	Université Paris-Saclay	Excitonic Absorption Signatures of Twisted Bilayer WSe <sub>2</sub> by Electron Energy-Loss Spectroscopy
36	Habib	Rostami	NORDITA / Stockholm University	Nonlinear exciton drift in piezoelectric two-dimensional materials
37	Lukáš	Kejřík	Brno University of Technology	Plasmon-excited near-field luminescence of semiconductor light sources
38	Viacheslav	Semenenko	University at Buffalo	Simulation of s-SNOM of 2D conducting materials with plasmonic junctions