

Poster Session I		
10.09.2020 (Thu.), 14.00 – 15.45 (CEST/UTC+2)		
Nr.	Presenter	Title
1	Alberto Eljarrat	Dispersion and temporal coherence of SPR modes in nanowires
2	Chengxu Shen	Morphology-controlled MoS ₂ by low-temperature atomic layer deposition <i>will be presented in Poster Session II (September 11th)</i>
3	Christos Gatsios	Experimental investigation of thin epitaxial MoTe ₂
4	Dan-Nha Huynh	Different approaches to the hydrodynamic material model within the discontinuous Galerkin time-domain method
5	Holger-Dietrich Saßnick	Structural properties of a water monolayer on defective (110) rutile TiO ₂ : a theoretical study
6	Hu Lin	Reversible switching of interfacial charge transfer with intercalating molecular layers
7	Ignacio Gonzalez Oliva	Electron-phonon coupling in hybrid inorganic/organic systems: a novel approach from first principles
8	Jannis Krumland	Ab initio modelling the ultrafast dynamics of laser-excited hybrid inorganic/organic interfaces in their environment
9	Jie Ma	Substrate dependent energy level alignment at a hybrid TMDC monolayer/molecular semiconductor interface
10	Johannes Müller	Enabling imaging and spectroscopy of electron beam sensitive hybrid materials
11	Juliane Mörsel	Impact of a metallic substrate on the opto-electronic properties of monolayer MoS ₂
12	Matheus Jacobs	Ultrafast charge transfer and vibronic coupling in the laser-excited F4TCNQ:H-Si(111) interface
13	Nicolas Zorn Morales	Switching impact of photochromic diarylethenes as self-assembled monolayer in organic light emitting diodes
14	Niklas Mutz	Excited state charge transfer at the phthalocyanine/MoS ₂ Interface
15	Niko Nikolay	Fundamental properties of single-photon sources in hexagonal boron nitride
16	Oleksandra Shargaieva	Optical properties of iodoplumbate chains formed in solutions: from experiment to theory
17	Qiang Wang	Evolution of pure hydrocarbon hosts for the application in universal OLEDs
18	Robin Aydinonat	Optoelectronic properties of monolayer MoS ₂ with sulfur vacancies
19	Ronaldo Rodrigues Pela	All-electron real-time TDDFT implementation with Ehrenfest molecular dynamics
20	Seon-Young Rhim	Waveguide mode modulation with photochromic molecules for neuromorphic computing
21	Stefan Kirstein	Individual tubular J-aggregates stabilized and stiffened by silica encapsulation
22	Thomas Kiel	Computational characterization of defect-state lasing in hybrid plasmonic-organic micro-cavities
23	Tobias Junghöfer	Challenges in evaporation of organic diradicals

Poster Session II		
11.09.2020 (Fri.), 09.00 – 10.45 (CEST/UTC+2)		
Nr.	Presenter	Title
24	Alaa Akkoush	Benchmarking electric field responses in all-electron electronic structure calculations
25	Alexander Neef	Viewing singlet fission in momentum space
26	Ana M. Valencia	Electronic properties of hybrid monolayer TMDC-conjugated molecule interfaces from first principles
27	Atindra Nath Pal	Nonmagnetic single-molecule spin-filter based on quantum interference
28	Biswajit Pabi	Post rupture evolution and jump to molecular contact in single molecular junction
29	Boubacar Tanda Bonkano	Excited state dynamics of unsubstituted terylene, a textbook molecule
30	Dominik Christiansen	Theory of short wavelength spectroscopy of two-dimensional HIOS: Exciton dynamics in tr-ARPES and X-ray response
31	Dragos Mutruc	Modulating guest uptake in core-shell MOFs with visible light
32	Hélène Seiler	Structural dynamics of pentacene single crystals and MoS ₂ /pentacene heterostructures
33	Honghe Ding	In situ investigation of the Cu/CH ₃ NH ₃ PbI ₃ interface in perovskite device
34	J. Rika Simon	Structural and electronic properties of F6-TCNNQ on monolayers of MoS ₂ investigated by STM/AFM
35	Kristin Klaue	Donor–acceptor dihydropyrenes switchable with near-infrared light
36	Manuel Katzer	Anticrossing effects in photoluminescence excitation spectroscopy of quantum dots
37	Martin Rothe	Local chiral sensors for HIOS from self-assembled plasmonic nano-antenna-waveguide structures
38	Meysam Raoufi	Probing the charge carrier dynamics in hybrid layer stacks comprising a TMDC monolayer and an organic semiconductor
39	Michele Guerrini	Photoinduced electron dynamics of N-doped graphene quantum dots
40	Raymond Amador	Electronic and optical properties of Na ₂ KSb and NaK ₂ Sb from <i>ab initio</i> many-body theory
41	Richard Schier	Electronic structure of BCF-doped oligothiophenes from <i>Ab initio</i> many-body theory
42	Rongbin Wang	Direct observation of conductive polymer induced inversion layer in n-Si and correlation to solar cell performance
43	Sebastian Franke	Non-linear cavity QED effects in dissipative resonators using coupled quasinormal modes
44	Shubhrasish Mukherjee	Very high photoresponse from a few layered MoS ₂ transistor
45	Stefano Calati	Dynamic screening of quasiparticles in WS ₂ monolayers
46	Sviatoslav Kovalchuk	In-situ evaporation of molecular dopants on monolayer/bilayer TMDCs