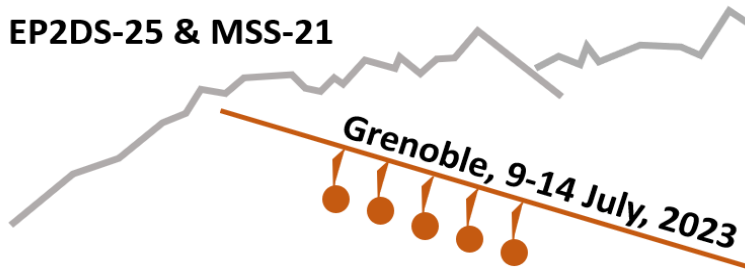


EP2DS-25 & MSS-21



Poster session 1
Monday 10-07-2023
18:00-20:00

Number	Presenting and/or first author	Title	Link
Mon - 1	Markel Pardo	<i>Spectroscopic investigation of Bi₂Te₃/Cr₂Te₃ magnetic heterostructures</i>	Abstract
Mon - 2	Hatice Nur Koyun	<i>Interfacing Single Layer Graphene with Ferromagnets for Terahertz Spintronics</i>	Abstract
Mon - 3	Maxim Trushin	<i>Highly conducting correlated state of crossed electronic bands</i>	Abstract
Mon - 4	Hermann Sellier	<i>Imaging backscattering of quantum Hall edge channels in graphene by scanning gate microscopy</i>	Abstract
Mon - 5	Tatiana Aureliia Uaman Svetikova	<i>Efficient THz third harmonic generation in topological HgTe quantum wells</i>	Abstract
Mon - 6	Yassine Chaouche	<i>Thermal properties of YP_{1-x}Sb_x alloys by Ab initio calculations</i>	Abstract
Mon - 7	Hui Li	<i>Current-induced second-order nonlinear Hall effect in bulk WTe₂</i>	Abstract
Mon - 8	Hyeongseop Kim	<i>Fraunhofer pattern of Josephson junction on a topological insulator</i>	Abstract
Mon - 9	Dipankar Jana	<i>Nonmagnetic ligand substitution in layered NiPX₃ (X=S,Se): Effect on magnon gap excitations and the spin entangled exciton</i>	Abstract
Mon - 10	Miranda Davis	<i>Josephson-like tunnel resonance and large Coulomb drag in GaAs-based electron-hole bilayers</i>	Abstract
Mon - 11	Bikash Chandra Barik	<i>Development of an ionic-liquid gated device on a degenerate semiconductor (Indium Nitride) with a superconducting phase.</i>	Abstract
Mon - 12	Soyun Kim	<i>High-temperature layer-coherent mode and even denominator fractional quantum Hall effect in twisted double bilayer graphene</i>	Abstract
Mon - 13	Mohammed Alezzi	<i>Topological Flat Bands in Super-moiré Lattices</i>	Abstract
Mon - 14	Dohun Kim	<i>Robust Interlayer-Coherent Quantum Hall States in Twisted Bilayer Graphene</i>	Abstract
Mon - 15	Shalini Maji	<i>Visualization of Electron and Hole Trajectories in Normal-Superconductor Junction Using Scanning Gate Microscopy Technique</i>	Abstract
Mon - 16	Dibyendu Kuiri	<i>Non-local spectroscopy of topological superconductivity in Josephson junctions</i>	Abstract
Mon - 17	Pai Zhao	<i>Acoustically-induced pseudo-gauge fields and anomalous transport phenomena in graphene</i>	Abstract
Mon - 18	Michael Kick	<i>Absence of fractional states in HgTe: A Metal-insulator transition at $\nu=1/2$</i>	Abstract
Mon - 19	Odysseas Williams	<i>Optimizing 2DEG structure with strong coupling to cavity field as optical probe of quantum Hall states</i>	Abstract
Mon - 20	Tommaso Venanzi	<i>Free-electron infrared nonlinearities in heavily doped InGaAs nanoantennas</i>	Abstract
Mon - 21	Charles Boudet	<i>Quantum coherence of Fractional Quantum Hall Effect edges: two-particle dynamical interference</i>	Abstract
Mon - 22	Avirup De	<i>Charge pulse detection using meandering quantum Hall edge state capacitive coupling</i>	Abstract
Mon - 23	Mélanie Ruelle	<i>Hong-Ou-Mandel interferences between fractional excitations in the $\nu=1/3$ fractional quantum Hall state</i>	Abstract
Mon - 24	Sabrina Ayari	<i>The Optical properties of exciton in Platinum diselenide PtSe₂</i>	Abstract
Mon - 25	Yuxuan Sun	<i>Ion implantation for the fabrication of Ohmic contacts on GaAs/AlGaAs core-shell nanowires</i>	Abstract
Mon - 26	Elina Pavlovska	<i>Mesoscopic Coulomb collisions of on-demand electrons as a nonlinear quantum optics effect</i>	Abstract
Mon - 27	Seiya Kawasaki	<i>Minigap-induced negative differential resistance in resonant tunneling device based on multi-layer MoS₂</i>	Abstract
Mon - 28	Lucien Besombes	<i>Coupling of the triplet states of a negatively charged exciton in a quantum dot with the spin of a magnetic atom</i>	Abstract
Mon - 29	Mariusz Ciorga	<i>Gate-controlled precession of electrically injected spins in a diffusive 2DEG channel</i>	Abstract
Mon - 30	Benedikt Gruenewald	<i>Nonlinear Spin-to-Charge Conversion and Thermopower in a quantum point contact defined in an inverted GaAs/(Al,Ga)As 2DEG</i>	Abstract
Mon - 31	Elric Frigerio	<i>Tunable Edge Magnetoplasmon Resonator</i>	Abstract
Mon - 32	Xin Qin	<i>High Resolution All-fiber AC Dilatometer</i>	Abstract
Mon - 33	Inge Van Rens	<i>Electronic properties of hydrogenated graphene</i>	Abstract

Mon - 34	Erik Cheah	<i>MBE-growth of high-mobility InSb and hybrid InAs/Al heterostructures</i>	Abstract
Mon - 35	Yuki Tsuji	<i>Quantum Hall states of large-angle twisted bilayer graphene revealed in a carbon-doped hexagonal boron nitride tunnel junction</i>	Abstract
Mon - 36	Jashwanth Shaju	<i>Time-resolved tunneling of a flying electron at a beam splitter</i>	Abstract
Mon - 37	Karolina Połczyńska	<i>Coherent imaging and dynamics of exciton complexes in MoSe₂ monolayers epitaxially grown on a hexagonal boron nitride</i>	Abstract
Mon - 38	Arthur Pogosov	<i>Electron-electron scattering length in suspended 2DEG measured by transverse magnetic focusing</i>	Abstract
Mon - 39	Diego Fossion	<i>Kondo cloud extension around quantum dots</i>	Abstract
Mon - 40	Thomas Vasselon	<i>On-chip picosecond electrical pulses for flying qubits</i>	Abstract
Mon - 41	Matteo Aluffi	<i>Ultrashort electron wavepackets via frequency-comb synthesis</i>	Abstract
Mon - 42	Niels Ubbelohde	<i>Universal scaling of adiabatic tunneling out of a shallow confinement potential</i>	Abstract
Mon - 43	Garg Manjari	<i>Shot Noise Measurements in Graphene Quantum Point Contacts in the Quantum Hall Regime</i>	Abstract
Mon - 44	Frank Hohls	<i>Exploring the potential of two-gate operation of tunable-barrier single-electron pumps</i>	Abstract
Mon - 45	Jaroslav Pawłowski	<i>Valley correlations and Wigner zigzag phase of interacting holes in a gated WSe₂ quantum channel</i>	Abstract
Mon - 46	Junjie He	<i>Ab initio study of laser driven ultrafast spin dynamics at 2D limit</i>	Abstract
Mon - 47	Sattigeri Raghottam	<i>Ab-initio overestimation of the topological region in Eu-based compounds</i>	Abstract
Mon - 48	Eileen Schneider	<i>Raman and photoluminescence studies on twisted bilayer CVD-grown MoS₂</i>	Abstract
Mon - 49	Tobias Dierke	<i>Raman spectroscopy of patterned functionalized graphene and twisted bilayer graphene</i>	Abstract
Mon - 50	Mathieu Pierre	<i>Investigating Quantum Hall effect in graphene on SiC</i>	Abstract
Mon - 51	Walter Escoffier	<i>High magnetic field breakdown of the inverted band gap in symmetric three-layer InAs/GaInSb quantum wells</i>	Abstract
Mon - 52	Thomas Gerster	<i>Optimized Single-Electron Pumps for a Quantum Current Standard</i>	Abstract
Mon - 53	Lara Ostertag	<i>Graphite gate pre-patterning with local anodic oxidation: towards higher quality graphene quantum devices</i>	Abstract
Mon - 54	Amit Pawbake	<i>High pressure tuning of the magnon-polaron resonance in the layered antiferromagnet FePS₃</i>	Abstract
Mon - 55	Ze Don Kvon	<i>Giant microwave photoconductance of short-channel MOSFETs</i>	Abstract
Mon - 56	Mirko Bacani	<i>Scanning-probe and magneto-optical studies of integer and fractional moiré Chern insulators in van der Waals bilayers</i>	Abstract
Mon - 57	Florian Le Mardelé	<i>Tuning of the magnetic order in the van der Waals' magnetic compound: Fe_xNi_{1-x}PS₃</i>	Abstract
Mon - 58	Markus Aspegren	<i>Quantum dots with strong spin-orbit coupling in a crystal-phase defined 2D-electron gas</i>	Abstract
Mon - 59	Tomasz Woźniak	<i>Excellent excitonic properties of novel hexagonal MA₂Z₄ monolayers</i>	Abstract
Mon - 60	David Fernández-Fernández	<i>On how to perform parallel hole spin qubit gates and long-range transfer in quantum dot arrays as quantum links</i>	Abstract
Mon - 61	Artur Slobodeniuk	<i>Ultrafast valley-selective coherent optical manipulation with excitons in transition metal dichalcogenide monolayers</i>	Abstract
Mon - 62	Yin Yefei	<i>Breakdown of the strong Fermi-level pinning at filling factor $\nu = 2$ in n- and p-type molecularly doped monolayer epitaxial graphene</i>	Abstract
Mon - 63	Leonid Bovkun	<i>Tuning the band structure for narrowgap HgTe QWs with Cd-doping</i>	Abstract
Mon - 64	Trevor David Rhone	<i>Artificial intelligence guided materials discovery of two-dimensional magnets</i>	Abstract
Mon - 65	Maxime Thumin	<i>Flat band superconductivity in a system with tunable quantum metric: the stub lattice</i>	Abstract
Mon - 66	Jacek Kasprzak	<i>Improving optical response of layered semiconductors via hBN encapsulation</i>	Abstract
Mon - 67	Jacek Kasprzak	<i>Coherence and density diffusion of excitons in a homogeneously broadened quantum well measured with nonlinear spectroscopy</i>	Abstract
Mon - 68	Wanki Park	<i>Coulomb interactions in the collision of hot electrons: a theoretical study</i>	Abstract
Mon - 69	Bo Yang	<i>The gravitons in fractional quantum Hall systems: neutral excitations from the interplay between geometry and topology</i>	Abstract
Mon - 70	Maurice Bal	<i>Quantum Hall effect in InAsSb quantum wells at elevated temperatures</i>	Abstract
Mon - 71	Oleksandr Zheliuk	<i>Layer-dependent study of Shubnikov-de Haas oscillations in NdTe₃</i>	Abstract
Mon - 72	Hwanchul Jung	<i>Observation of Electronic Modes in Open Cavity Resonator</i>	Abstract
Mon - 73	Alexey Suslov	<i>Concurrent presence of two distinct hole phases in the vicinity of the Landau level filling factors 1 and 1/3 in high-quality p-GaAs/AlGaAs</i>	Abstract
Mon - 74	Christian Marty	<i>Nearly vanishing Hall resistances for integer filling factors in a counterflow experiment on a 2D bilayer system</i>	Abstract
Mon - 75	Haruki Sanada	<i>Spin state tomography with magneto-optic effect assisted by large hole g-factor in semiconductor two-dimensional systems</i>	Abstract
Mon - 76	Renfei Wang	<i>Experimental study of the 2-D electron system interact with surface acoustic wave</i>	Abstract

Mon - 77	Mengmeng Wu	<i>Morphing of quantum phases when hosting current</i>	Abstract
Mon - 78	Daiqiang Huang	<i>Magneto-optic Kerr effect measurement of 2D electron system at mK-temperature</i>	Abstract
Mon - 79	Amina S. L. Ribeiro	<i>Modulation of charge carrier densities in InAs/GaSb heterostructures separated by an AlSb barrier</i>	Abstract
Mon - 80	Nathan Aubergier	<i>Enhancement of the valley splitting by many-body interactions in a 2D electrons gas close to the Si/SiO₂ interface</i>	Abstract
Mon - 81	Lina Bockhorn	<i>Importance of the electron density regarding the giant negative magnetoresistance</i>	Abstract
Mon - 82	Romain Danneau	<i>Tracking supercurrent paths in multiterminal Josephson junctions</i>	Abstract
Mon - 83	Guan-Zhang Lu	<i>Wrinkled 2D Materials for Stretchable Optoelectronic Devices</i>	Abstract
Mon - 84	Shuichi Iwakiri	<i>Gate-tunable superconducting constriction in magic angle twisted bilayer graphene</i>	Abstract
Mon - 85	Wenmin Yang	<i>Coulomb-mediated pairing in graphene Fabry-Pérot quantum Hall Interferometer</i>	Abstract
Mon - 86	Olivio Chiatti	<i>In-plane electric-field-induced shift of spin-dependent resistivity at transitions between quantum Hall plateaus in an InAs-based quantum well</i>	Abstract
Mon - 87	Olivio Chiatti	<i>Low-temperature magnetoresistance hysteresis in Vanadium-doped Bi₂Te_{2.4}Se_{0.6} bulk topological insulators</i>	Abstract
Mon - 88	Jakub Kierdaszuk	<i>PL enhancement in mono- and few-layer WSe₂ doped with cobalt and vanadium</i>	Abstract
Mon - 89	Andrei Pimenov	<i>Terahertz magneto-oscillations in 2D quantum wells</i>	Abstract
Mon - 90	Chenjiang Qian	<i>Probing Exciton-Photon-Phonon Interactions in Hybrid High-Q hBN Nanocavities with MoS₂ Monolayers</i>	Abstract
Mon - 91	Albert Koop	<i>Commensurability oscillations in the 3D topological insulator HgTe</i>	Abstract
Mon - 92	Ben Khalifa Haithem	<i>Screening of the synthesis route on the structural, magnetic and magnetocaloric properties of La_{0.6}Ca_{0.2}Ba_{0.2}MnO₃ manganite: A comparison between solid-solid state process and a combination polyol process and Spark Plasma Sintering</i>	Abstract
Mon - 93	Cécile Naud	<i>Quantum transport in monolithic Al/Ge nanowire heterostructures</i>	Abstract