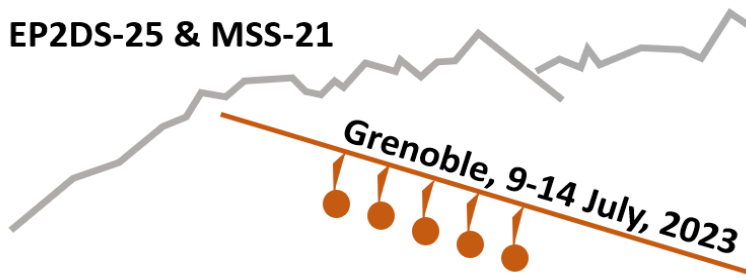


EP2DS-25 & MSS-21



Poster session 2
 Tuesday 11-07-2023
 18:00-20:00

Number	Presenting and/or first author	Title	Link
Tue - 1	Wenlu Lin	Charge Instability and Hysteresis in Capacitance at Landau Level Crossing	Abstract
Tue - 2	Dmitriy Pokhobov	Electron transport in a trench-type quantum point contacts with multiwell confinement	Abstract
Tue - 3	Anton Shchepetilnikov	Valley pseudospin probed by electron spin resonance	Abstract
Tue - 4	Barbara Keran	DC Transport and Magnetotransport Properties of the 2D Isotropic Metallic System with the Fermi Surface Reconstructed by the Charge Density Wave	Abstract
Tue - 5	Emmanuel Baudin	Magneto-exciton instability and quantum Hall breakdown in graphene	Abstract
Tue - 6	Ethirajulu Senthamarai Kannan	Light induced antidoping effect in Molybdenum di-Sulphide	Abstract
Tue - 7	Tommaso Venanzi	Probing strong electron-phonon coupling in graphene by resonance Raman Spectroscopy with infrared excitation energy	Abstract
Tue - 8	Alina Wania Rodrigues	Magic angle twisted bilayer graphene nanoribbons in magnetic field	Abstract
Tue - 9	Naoto Nakatsuji	Multi-scale lattice relaxation in asymmetric twisted trilayer graphenes	Abstract
Tue - 10	Adeline Crepieux	Topological edge states and Chern numbers in monolayer, bilayer and trilayer	Abstract
Tue - 11	Zeyu Hao	Novel interlayer quantum Hall states in double bilayer graphene	Abstract
Tue - 12	Christoph Adam	Entropy of a quantum dot in bilayer graphene	Abstract
Tue - 13	Datta Anushree	Heavy quasiparticles and cascades without symmetry breaking in twisted bilayer graphene	Abstract
Tue - 14	Takuto Kawakami	Topological Domain Walls in Doped Graphene Nanoribbons	Abstract
Tue - 15	Petra Grozić	Magnetoconductivity of CaC_6 with a CDW-reconstructed Fermi Surface	Abstract
Tue - 16	Johmen Tomoya	Radio-frequency reflectometry measurement in bilayer graphene microdevices	Abstract
Tue - 17	Feiran Wang	Scalable and Multifunctional Sensors by Inkjet Printed Graphene Network	Abstract
Tue - 18	Lyudmila Turyanska	Quantum nature of charge transport in inkjet-printed graphene studied in magnetic fields up to 60T	Abstract
Tue - 19	Ghafour Mohseni Mahan	Optical detection of Majorana zero mode in a quantum dot nanowire	Abstract
Tue - 20	Fernández-Fernández David	On how to perform parallel hole spin qubit gates and long-range transfer in quantum dot arrays as quantum links	Abstract
Tue - 21	Yamahata Gento	Coulomb collisions in coupled Si single-electron pumps	Abstract
Tue - 22	Sato Yosuke	Supercurrent enhancement of InAs Josephson junction induced by magnetic vortices	Abstract
Tue - 23	Christopher Fuchs	Backscattering in Z2 topological insulators via isotropic Kondo interactions of quantum spin Hall edge channels with localized impurities	Abstract
Tue - 24	Colin Piquard	Observation of a single Kondo impurity universally screened using a charge pseudospin	Abstract
Tue - 25	Rui Sakano	Evaluation of the Kondo temperature from linear conductance measurements in magnetic fields in a carbon nanotube quantum dot	Abstract
Tue - 26	Kim Kyungtae	Topological Josephson Trijunctions: Majorana Source and Path	Abstract
Tue - 27	Dorsa Fartab	Tunable spin-orbit interaction and insulator-metal transition in ionic gated tellurium	Abstract
Tue - 28	Mikio Eto	Scattering theory for transport through quantum dot in AC field	Abstract
Tue - 29	Mikio Eto	Numerical study on transport through quantum dot interferometer in Kondo regime	Abstract
Tue - 30	Kuroda Takumi	Machine learning study for the flat band states of a random molecular-orbital model	Abstract
Tue - 31	Johannes C. Bayer	A Single-Electron Transistor under Periodic Driving	Abstract
Tue - 32	Kicheon Kang	How to measure local phase shift of the Aharonov-Bohm effect with superconducting interferometry	Abstract
Tue - 33	Donghoon Kim	Entanglement and Spin Cloud in Exotic Kondo Effects	Abstract
Tue - 34	Hiroshi Akera	Spin-velocity locking originating from the helical symmetry	Abstract
Tue - 35	Joseph Page	Probing Intralayer and van der Waals Interlayer Bonding in α - and β - In_2Se_3	Abstract
Tue - 36	Marcin Mucha-Kruczynski	Controlling charge density order in 2H-TaSe_2 using a van Hove singularity	Abstract
Tue - 37	Louis Gaudreau	Gated Quantum Structures in Monolayer WSe_2	Abstract
Tue - 38	Chengjie Zhou	Probing the Electronic Structures of Monolayer MoS_2 by Gate-controlled Resonant Tunneling Spectroscopy	Abstract
Tue - 39	Chithra Harihara Sharma	Addressing the spin-valley flavors in moiré mini-bands of MoS_2	Abstract

Tue - 40	David Santos Cottin	<i>EuCd₂As₂ : a magnetic semiconductor</i>	Abstract
Tue - 41	Pierre-Maurice Piel	Magnetic anisotropy in excitonic resonances and exciton-phonon coupling of the 2D magnetic semiconductor CrSBr	Abstract
Tue - 42	Olga Ken	Optically induced spin electromotive force in ferromagnetic-semiconductor quantum well structure	Abstract
Tue - 43	Ina Kalitukha	Universal magnetic proximity effect in ferromagnet – semiconductor quantum well hybrid structures	Abstract
Tue - 44	Yevheniia Chernukha	<i>Electrical properties of 1T-TaSe₂ monolayer on GaP</i>	Abstract
Tue - 45	Benjamin Dewes	Wafer-scale two-dimensional semiconductors for deep UV photosensing	Abstract
Tue - 46	Madhu Thalakulam	<i>Scalable NbSe₂-NbSe₂ over-damped van der Waals Josephson junctions</i>	Abstract
Tue - 47	Madhu Thalakulam	<i>Macroscopic manifestation of backaction due to quantum tunnelling of electrons</i>	Abstract
Tue - 48	Strenzke Vincent	Coplanar waveguides for sensitive microwave spectroscopy in two-dimensional materials	Abstract
Tue - 49	Samaddar Sayanti	<i>Probing Electrical Transparency of WS₂/ Graphene Interfaces by Four Point Probe Transport</i>	Abstract
Tue - 50	Kunihashi Yoji	<i>Enhancement of Rashba spin-orbit interaction in GaAsBi thin film</i>	Abstract
Tue - 51	Nicolas Ubrig	<i>Light Sources with Bias Tunable Spectrum based on van der Waals Interface Transistors</i>	Abstract
Tue - 52	Ze Don Kvon	Two-dimensional topological Anderson insulator in HgTe quantum wells with inverted spectrum	Abstract
Tue - 53	Benoit Jouault	<i>Large inverted band gap and edge conduction in strained three-layer InAs/GaSb quantum wells</i>	Abstract
Tue - 54	Ran Chen	<i>Investigation of terahertz photoelectric tunable-step detectors: dependence of performance on antenna parameters</i>	Abstract
Tue - 55	Yashika Kapoor	<i>Evolution of inter-Landau level transitions in the canted antiferromagnetic state of bilayer graphene</i>	Abstract
Tue - 56	Norio Kumada	<i>Ultrafast Dynamics of Optical-to-Electrical Conversion in Black Phosphor</i>	Abstract
Tue - 57	Shinji Kuroda	<i>MBE growth and magnetic properties of the ordered structure of magnetic topological insulator MnSb₂Te₄</i>	Abstract
Tue - 58	Shota Norimoto	<i>Photon emission by hot electron injection across a lateral pn junction</i>	Abstract
Tue - 59	Dmitriy Kozlov	<i>Giant Magnetoresistance and Edge Channels of 3D Topological insulator based on HgTe film</i>	Abstract
Tue - 60	Igor Rozhansky	<i>Terahertz Spin-Light Coupling in Proximitized Dirac Materials</i>	Abstract
Tue - 61	Leonid Golub	<i>Nonlinear optical absorption and photocurrents in topological insulators</i>	Abstract
Tue - 62	Arwin Kool	<i>Uniaxial strain on narrow gap semiconductors</i>	Abstract
Tue - 63	Saxena Ruchi	<i>Electroluminescence study on a lateral PN junction in a perpendicular magnetic field</i>	Abstract
Tue - 64	Gerrit Behner	<i>Magnetoconductance symmetry breaking driven by an in-plane magnetic field in topological insulator kinks</i>	Abstract
Tue - 65	Ruqiao Xia	<i>Single-layer graphene-loaded metasurface for terahertz intensity modulation</i>	Abstract
Tue - 66	Davide Pizzirani	<i>Thickness-dependent electronic properties of the Dirac nodal line semimetal ZrSiSe</i>	Abstract
Tue - 67	Yusuke Nakazawa	<i>Effects of GaAs buffer layer on MBE-grown quantum anomalous Hall insulator V_y(Bi_xSb_{1-x})_{2-y}Te₃</i>	Abstract
Tue - 68	Alina Khisameeva	<i>The spin-orbit interaction in ZnO/MgZnO heterojunctions probed by spin resonance spectroscopy</i>	Abstract
Tue - 69	Sylvain Perret	<i>Tailoring the properties of quantum dot-micropillars by ultrafast optical injection of free carriers</i>	Abstract
Tue - 70	Kenji Shibata	<i>Gate-tunable carrier transport through single PbS colloidal quantum dots</i>	Abstract
Tue - 71	Isobe Takuma	<i>Non-Hermitian topology in a photonic crystal composed of negative index media</i>	Abstract
Tue - 72	Alex Delhomme	<i>Strain control of exciton and trion spin-valley dynamics in monolayer transition metal dichalcogenides</i>	Abstract
Tue - 73	Olfa Dani	<i>Single-electron tunneling through InAs double quantum dots as a function of temperature and magnetic field</i>	Abstract
Tue - 74	Giacomo Mariani	<i>Spin transfer dynamics in the presence of potential puddles in WSe₂ monolayers</i>	Abstract
Tue - 75	Thomas Schaeppers	<i>Flux-periodic oscillations in the transport properties of core/shell GaAs/InAs nanowires equipped with normal and superconducting contacts</i>	Abstract
Tue - 76	Lucien Besombes	<i>Optical control of a hole-Cr⁺ nano-magnet in a semiconductor quantum dot</i>	Abstract
Tue - 77	Xavier Marie	<i>Control of the Energy and Radiative Linewidth of Excitons in a 2D Semiconductor</i>	Abstract
Tue - 78	Yui Muto	<i>Automatic charge state estimation in quantum dots by machine learning and visual explanation of the model with Grad-CAM</i>	Abstract
Tue - 79	Piotr Wojnar	<i>Strain and quantum confinement induced change from light hole to heavy hole character of excitons in ultra-thin (Cd,Mn)Te/(Cd,Mg)Te core/shell nanowires</i>	Abstract
Tue - 80	Zijing Jin	<i>Quantitative analysis of the polarization behaviors of trion states in monolayer WS₂ under a magnetic field</i>	Abstract

Tue - 81	Aleksandra Lopion	<i>P- and n-type Doped (Cd,Mn)Te QWs in Optically Detected Magnetic Resonance</i>	Abstract
Tue - 82	Georgios Giavaras	<i>Tunable supercurrents in full-shell nanowire Josephson junctions</i>	Abstract
Tue - 83	Young Dong Kim	<i>Detection of biexcitons in monolayer WS₂ using the maximum entropy method: a byproduct of noise reduction</i>	Abstract
Tue - 84	Mateusz Dyksik	<i>Bright - dark exciton splitting in 2D layered perovskites</i>	Abstract
Tue - 85	Rajan Singh	<i>Development of a milli-kelvin Quantum Scanning Single Electron Transistor (SET) Microscope</i>	Abstract
Tue - 86	Aifei Zhang	<i>Quantum Hall Breakdown in monolayer graphene corbino structure at zero-th Landau level</i>	Abstract
Tue - 87	Danil Rodionov	<i>Plasmons in disks with two-dimensional electron gas</i>	Abstract
Tue - 88	Xuejian Gao	<i>Heesch Weyl Fermions in inadmissible chiral antiferromagnets</i>	Abstract
Tue - 89	Olivio Chiatti	<i>Excess noise in Al_xGa_{1-x}As/GaAs-based quantum rings</i>	Abstract
Tue - 90	Olivio Chiatti	<i>Tuning metal/superconductor to insulator/superconductor coupling via control of proximity enhancement between NbSe₂ monolayers</i>	Abstract
Tue - 91	Sonia Haddad	<i>Twisted bilayer graphene reveals its at bands under spin pumping</i>	Abstract
Tue - 92	Trung Ha Quang	<i>Anyon dynamics and spin-statistics relation in the fractional quantum Hall effect from conformal Hilbert space hierarchy</i>	Abstract
Tue - 93	Ivan Mohelsky	<i>Temperature dependence of the energy band gap in ZrTe₅: Implications for the topological phase</i>	Abstract
Tue - 94	Changki Hong	<i>Observation of braiding statistics in injecting diluted anyons</i>	Abstract