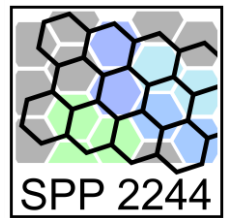


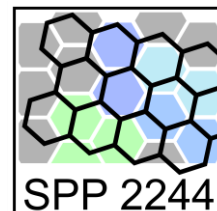
Poster sessions

SPP Summer School 2021



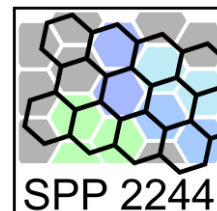
Wednesday, 16:30 (poster flash at 16:00)

Room	Presenter	PI	Title
1	Kejun Liu	Xinliang Feng	A Two-Dimensional Polyimide-Graphene Heterostructure with Ultra-fast Interlayer Charge Transfer
2	Manan Shah	Arash Rahimi-Iman	Intra- and Interlayer Excitons in Twisted Tungsten-based Heterobilayer Systems
3	Jonas Göser	Alexander Högele	Synthesis and spectroscopy of vertical heterobilayers
4	Florian Arnold	Thomas Heine	The Importance of Relaxation Effects on the Properties of Twisted van der Waals Materials
5	Bei Zheng, Lars Thole	Rolf Haug	Quantum Hall Effect in Twisted Bilayer Graphene Systems
6	Steffen Michaelis de Vasconcellos	Rudolf Bratschitsch	Optical excitations of 2D materials: 2D materials under pressure / Large arrays of single-photon emitters
7	Alfredo Spuri	Angelo Di Bernardo, Elke Scheer	2D superconductor/ferromagnet heterostructures and devices
8	Bartosz Szczeffanowicz	Roland Bennewitz	Intermittent covalent bonds and kinetic nanoscale friction on graphene / SiC under increasing contact pressure
9	Wolfgang Belzig		Magnetic-field induced mirage gap in an Ising superconductor
10	Mirco Troue	Alexander Holleitner	Condensation signatures of photogenerated interlayer excitons in a van der Waals heterostack
11	José Pizarro	Tim Wehling	Doping fingerprints of spin and lattice fluctuations in moiré superlattice systems
12	Carl Nielsen	Gabriel Bester	Moiré Deformation of twisted vdW-TMDCs for not so small Angles
13	Pedro Soubelet	Jonathan Finley	Towards strain control of quantum phases in moiré superlattices
14	Keda Jin	Markus Ternes	Subnanoscale Engineering of 2D Magnetism in van der Waals Heterostructures
15	Oisín Garrity	Patryk Kusch	Imaging Sample Permittivity in the Nanometre Range and in the Visible with the dual s-SNOM
16	Hendrik Lambers	Ursula Wurstbauer	Multivalley physics in highly doped TMDCs and TMDC heterobilayers



Thursday, 13:30 (poster flash at 13:00)

Room	Presenter	PI	Title
1	Alexander Rothstein	Christoph Stampfer	Highly tunable single and double quantum dots in bilayer graphene
2	Christian Eckel, Francesca Falorsi	Thomas Weitz	Topological effects in graphene/2D polymer superlattices: Contacting and electrical measurements
3	Paulo de Faria Junior	Jaroslav Fabian	Manipulating van der Waals heterostructures by proximity, twist angle and external fields
4	Samuel Brem	Ermin Malic	Tunable Phases of Moiré Excitons in van der Waals Heterostructures
5	Michael Kempf	Tobias Korn	Time-resolved two-color Kerr rotation microscopy studies of disulfide-based TMDC heterostructures
6	Christian Schneider	Christian Schneider	Light Matter Coupling and Cavity QED with Moiré Excitons in van der Waals Heterostructures
7	Tsai-Jung Liu	Thomas Heine	From Haeckelites to Two-Dimensional Polymers
8	Andreas Beer	Christian Schüller	Controlled moiré potentials of van-der-Waals heterostructures for Kerr measurements
9	Ammon Fischer	Dante Kennes	Unconventional superconductivity in twisted trilayer graphene
10	Jonas Kiemle	Christoph Kastl	Electrical Control of Spin Texture at the Interface Between Graphene and a 3D Topological Insulator
11	Tobias Wichmann	Felix Lüpke	1D topological superconductivity and Majorana states in van der Waals heterostructures characterized by scanning tunneling microscopy
12	Chirag Chandrakant Palekar	Stephan Reitzenstein	Light-Matter Coupling and Superradiance with Moiré Excitons in van der Waals Heterostructures
13	Lukas Powalla	Marko Burghard	Berry curvature induced local spin polarisation in gated graphene/WTe ₂ heterostructures
14	Jonas Bauer	Kai-Qiang Lin	Tuning Excitonic Quantum Optics in Stacked van der Waals Semiconductors
15	Tobias Dierk, Narine Moses Badlyan	Janina Maultzsch	Raman Spectroscopy of functionalized MoS ₂ and patterned functionalized graphene



Speakers in alphabetical order

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Falorsi, Francesca	Thursday	2
Fischer, Ammon	Thursday	9
Garrity, Oisin	Wednesday	15
Göser, Jonas	Wednesday	3
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Pizarro, José	Wednesday	11
Powalla, Lukas	Thursday	13
Rothstein, Alexander	Thursday	1
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Shah, Manan	Wednesday	2
Soubelet, Pedro	Wednesday	13
Spuri, Alfredo	Wednesday	7
Szczefanowicz, Bartosz	Wednesday	8
Troue, Mirco	Wednesday	10
Wichmann, Tobias	Thursday	11
Zheng, Bei	Wednesday	5