

## Posters

Robin Abram	<b>Height Calibration of Nitrogen Vacancy Diamond Tips Using Current-Carrying Wires</b>
Christopher Barker	<b>Thermoelectric fingerprinting of Bloch- and Néel-type skyrmions</b>
Johannes C. Bayer	<b>GaAs quantum dots for single-electron current sources</b>
Yarne Beerden	<b>Assessing the effects of space radiation on quantum diamond sensor performance</b>
Ifra Bibi	<b>Laser-Based Creation of Room-Temperature Quantum Emitters in Hexagonal Boron Nitride</b>
Alberts Bilzens	<b>Modelling of a Shallow Elliptic Quantum Dot in a Transverse Magnetic Field</b>
Mark Blumenthal	<b>Landau level single-electron pumping</b>
Domantas Burba	<b>Pair and chiral superfluidity in subwavelength triangular ladders</b>
Edgars Butanovs	<b>Thin amorphous molybdenum silicide superconducting shells around individual nanowires deposited via magnetron co-sputtering</b>
Nathan Deveux	<b>SRIM calculations of ion implantation in diamond for membrane fabrication</b>
Nishant Dogra	<b>From Quantum Sensing to teaching Quantum with NV Centers</b>
Mylo Gijbels	<b>Temperature sensing using double quantum resonance of Nitrogen-Vacancy centers in diamond</b>
Christopher Habenschaden	<b>Enhancing Quantitative Magnetic Force Microscopy through NV Calibration</b>

## Posters

- Göran Hellmann **Crosstalk compensation for an Mx magnetometer-based gradiometer**
- Emma Herbst **In-situ Detection of Free Radicals using NV Center-based T1 Relaxometry**
- Mona Jani **Microwave-Free Detection and Imaging of magnetic nanostructures using fluorescent nanodiamond**
- Alnis Janis **Research on optical whispering gallery mode micro-resonators**
- Aris Jansons **Perhydropolysilazane as a Scalable Gate Dielectric for 2D WTe<sub>2</sub> Based Electronics**
- Karina Korenika **Determination of relative transition probabilities of atomic niobium derived from Fourier transform spectra**
- Valts Krumins **Field-gradient spectroscopy of Rydberg positronium in a strong magnetic field**
- Reinis Lazda **A compact NV diamond magnetometer for contactless current monitoring and low-frequency magnetic communication**
- Martin Lee **Towards in-situ Twistronics using the Quantum Twisting Microscope**
- Matthias Ludwig **Photonic integrated top-hat beam profiler for multi-ion clock application**
- Hendrik Mannel **Near transform-limited single photons from rapid-thermal annealed quantum dots**
- Marco Antonio Manya Suni **Optimal Observables and NMR sensors**
- Arturs Mozers **Exploring nonlinear-Zeeman-effect-free magneto-optical signals from high-order coherences in atomic Rb**

## Posters

- Kiryl Niherysh **Chiral Anomaly-Driven Quantum Transport in Tellurium Weyl Semiconductor Nanoribbons**
- Antons Nikolajevs **Floquet-theory-based description of single- and double-photon Autler-Townes effect with radiofrequency excitation of Cs atoms**
- Muhib Omar **NV center gyroscope at zero field**
- Elina Pavlovska **Mesoscopic Coulomb collisions of on-demand electrons**
- Ivan Petrov **Three NV centers with dipole-dipole coupling as a quantum register**
- Ignas Pikas **UV mirrors with enchanted Optical Phase Shift control using combination of standard and structural coatings**
- Anna Veronika Priede **Temperature-Induced Zero-Field Splitting Error Suppression in NV-Centre Vector Magnetometry Beyond the Axial Approximation**
- Juris Prikulis **Self-organized hybrid nanostructure arrays for optical sensing**
- Eugenia Pyurbееva **Entropy in nanodevices — a source of insight and control**
- Torsten Roeper **Propagation, dissipation, and breakdown of high-frequency edge state transport in a quantum anomalous Hall insulator**
- Oskars Rudzitis **Quantum Random Number Generation Using Nitrogen-Vacancy Centers in Diamond**
- Theo Scholtes **Fabrication of atomic vapour cells by laser-assisted bonding**
- Daniel Schroller **Industrial Silicon Metal-Oxide-Semiconductor Spin Qubits as Quantum Sensors for Single-Molecule Magnet Qudits**
- Vakarīs Silys **Optimization of magnetic-field quantum sensing with NV centers**

## Posters

- Andreas Sinner      **Designing Moiré Patterns by Strain**
- Agnese Spustaka      **WTe<sub>2</sub> heterostructures for studies of unconventional edge states**
- Ralfs Suba      **Monte Carlo simulation of partitioning statistics of a one component Coulomb plasma**
- Jeļena Sušinska      **Tellurium-based 1D Nanostructures: Synthesis, Structure and Electrical Transport**
- Asli Tuncer      **Disorder as a Resource: Spin-Glass Quantum Otto Engines for Disorder-Resilient Quantum Devices**
- Sebastian Westrich      **FRET between NV centers in diamond and chlorophyll molecules: a novel resource for multimodal sensing and imaging in plant cells**
- Florian Wittkaemper      **Tailored functionalized microfabricated alkali vapour cells**
- Chelsey Zhang      **Metrological Evaluation of Gas Sensing in Printed 2D Transition Metal Dichalcogenide Films**