

	June 9, 2026	June 9, 2026	June 10, 2026	June 10, 2026	June 11, 2026	June 12, 2026
	Monday	Tuesday	Wednesday L. - Bolya	Wednesday II. - Mozyrórdi	Thursday	Friday
8:00	Registration	Registration	Registration	Registration	Registration	Registration
8:40						
9:00	Wellcome	Arzhang Ardavan - Exploiting hyperfine-coupled nuclear spin qubits for quantum error corrected memories	Igor Abramov - New solid state qubits for quantum computing, sensing and communications: From theoretical prediction to experimental realization	Romana Schirhagl - Diamond based quantum sensing in medical diagnostics	Marco Govoni - Understanding the origin of defect-based single-photon emission in nitride materials	
9:20	Ronald Ulbricht - The electronic structure of silicon vacancy centers in 4H-SiC				Sébastien Pezagna - Photo-induced emission hopping of ultrabright and regularly occurring native quantum emitters in Aluminium Nitride	
9:40		Sophia E Economou - Designing quantum memories: high-throughput assessment of nuclear spin registers coupled to defects	Geoffroy Hautier - Finding the perfect imperfection: Accelerating the search of quantum defects using high-throughput computing	Fa-Zhan Shi - Magnetic Quantum Sensing for Life Science with an optimal sensitivity spin sensor in diamond	Tomasz Jakubczyk - Efficient Quasi-Resonant, Polarization-Selective Excitation of GaN Quantum Emitters	
10:00	Michel Bockstedt - The spin- & photo physics of a prototypical color center in SiC using quantum embedding methods				Bya Popov - Multiplet structure of chromium(III) dopants in wide band gap materials	
10:20	coffee break	coffee break	coffee break	coffee break	coffee break	
11:00	Andrei Anisimov - Optically addressable spin centers in the telecom window based on chlorine defects in SiC	Timo Dolné - Heralded Remote Entanglement Between Waveguide-Integrated Diamond Tin-Vacancy Qubits	Silvan Kretschmer - First-principles Exploration and Characterization of Interstitial Carbon Centers in 2D Materials	Mark Maciazek - Optical Stability and Photophysics of NV Centers in Diamond up to 120 Gpa	Yuan Ping - First-Principles Theory for Spin-Photon Interfaces in Solid-State Quantum Defects: From Optical Readout to Open Quantum Dynamics	
11:20	Danil Shafiqade - Telecom-band quantum emitters in silicon carbide	Vadim Vorobyov - Characterizing a Nuclear Spin Qubit Cluster in Silicon Carbide: From One to 25	Helmi Fartas - Time-resolved coherence properties of green-emitting color centers in hBN	Esther Wang - Multi-modal Wavelength Tunability of High-Pressure Superconductivity to Sub-Micron Resolution	Yu Kaneko - Identification of a donor-type charge transition level of color centers at SiO2/SiC interfaces	
11:40	Zhen-Xuan He - Coherent spin-photon interface of the PLE color centers in 4H-SiC	Dan Yudilevich - Optimizing global polarization of a nuclear spin-bath coupled to an NV center via microscopical insights	Sajedeh Shabbazi - Investigation of Spectral Dynamics and Spin Characteristics of a Mechanically Isolated Quantum Emitter in hBN	Omkar Dhunge - Low-field all-optical detection of superconductivity using NV nanodiamonds	Zsolt Benedek - Extended ab initio theory of the VB- center in hexagonal boron nitride: new insights from many-body wavefunction theory	
12:00	Thomas Asteier - Quantum Photonics with Vanadium in Silicon Carbide	Edwin Barnes - Electronic-nuclear entanglement dynamics and photonic resource state generation from quantum defects	Piotr Tatarczak - Engineering Visible Single-Photon Emitters by Manipulating Growth Conditions in MOVPE-Grown Layered BN	Mykhailo Flaks - Biomagnetic Mask Approach for Spatially Resolved NV-Diamond Imaging sensors	Oliver Moen-Duran - Photoluminescence study of Si-CO2 interface defects	
12:20	Lunch	Lunch	Lunch	Lunch	Lunch	
14:00						
14:00	Jason Smith - Defect engineering using laser annealing with fluorescence feedback	Lai Sun - Molecular Qubit Frameworks: Spin Dynamics and Quantum Sensing	Reda Moukakaoui - Theory of spin optically addressable molecular spins on hexagonal Boron Nitride	Chris Adamcbukulum - Spin-photon coupling in a diamond bulk acoustic wave resonator	Jean-Philippe Tetienne - Optically addressable spins in hBN and other hosts for quantum sensing	
14:20						
14:40	Sen Yang - Improving NV centers with surface engineering and use them for sensing in solid state physics	Sam Bayliss - Optically addressable spin qubits in chemically synthesised molecules	Shuyu Wen - Telecom L-band optically detected spin of the C center in silicon	Elena Misalac - A Turnable Hard-Mask Approach for Spatially Resolved NV Center Engineering in diamond	Carla Verdi - In- and out-of-plane carbon centres in hexagonal and rhombohedral boron nitride	
15:00						
15:00						
15:20	coffee break	coffee break	coffee break	coffee break	Closing	
16:00	Lukas Radzickas - Charge State Equilibration of Nitrogen-Vacancy Center Ensembles in Diamond: The Role of Electron Tunneling	Martin Plenio - A Single-Molecule Spin-Optical Interface	Xiaoyi Lai - An integrated quantum repeater node based on silicon carbide	Anton Pershin - A Coherence-Protection Scheme for Quantum Sensors Based on Ultra-Shallow Nitrogen-Vacancy Centers in Diamond	Vincent Jacques - Quantum sensing with spin defects in hexagonal boron nitride	
16:20	Xiangdong Chen - Detecting insulator-to-metal transition at microscale with diamond sensor		Elena Nieto Hernandez - FIB writing of NIR emitters in 4H-SiC	Vladimir Verkhoviyak - Quantum Relaxometry Under Continuous Wave Excitation		
16:40	Paolo Cappellaro - Robust AC Vector Sensing with Pentacene	Burak Gurlek - Uncovering Vibrational Dynamics of Single Organic Molecules in Solids via Machine-Learned Interatomic Potentials: Toward Hybrid Quantum Architectures	David Beke - Toward Controlled Chemical Synthesis of Color Centers in Silicon Carbide for Quantum Technologies	Yu Liu - High-Probability Heralded Entanglement via Repeated Spin-Photon Phase Encoding with Moderate Cooperativity	Charlie J. Patrickson - Few MHz Quantum Magnetometry Enhanced by VB-15N Nuclear Spins in hBN	
17:00		Soumyasree Jena - Controlling Zero-Field Splitting in Molecular Spin Qubits via Conjugation with Insights into Optical Addressability			Hosung Seo - First-principles investigations of spin qubit decoherence in two-dimensional crystalline materials	
17:20						
17:40						
18:00	Welcome reception	Poster session 1	Round table discussion		Poster session 2	
18:20						
18:40						
19:00			Free time / walk to the dock			
19:30						
21:30			Cruising on Danube			