Talks

updated: 14.09.2026 (PZ)

Presenter	No.	Title	Pg.
Invited Talks			
Amato, M.		Crystal phase engineering of hexagonal-diamond group-IV nanowires: optical absorption and doping properties	4
Carroll, D.		Qubit Architectures Based on Two-Dimensional Topological Insulators (TI-qubits)	5
Frank, O.		Novel physicochemical phenomena in graphene revealed by microdroplet in-situ Raman spectroelectrochemistry	6
Kusch, P.		Nanoscale Optoelectronic Characterization of ACPS: Probing the Indirect Bandgap and Excitonic States via Resonant Raman and Near-Field Microscopy	7
Mooshammer, F.		Broadband mid-infrared waveforms for nanoscale field-resolved spectroscopy in ultra-high vacuum	8
Venanzi, T.		Ultrafast terahertz manipulation of exciton complexes in 2D semiconductors	9
Wosko, M.		Perspectives and limitations of growing Sc-alloyed group-III nitride layers by MOVPE	10
Contributed Talks			
Attenberger, S.	T1	Raman response of monolayer graphene upon varying TCNE adsorption	11
Chennur, M.	T2	Electrical Impact of He^+-Induced Defects in hBN-Encapsulated Transistors	12
Dimakis, E.		Semiconductor nanowires: a flexible platform for quantum heterostructures	13
Kaliappan P., A.	T3	Study of Electronic Properties of Nano-Scaled Topological Insulators	14
Kielar, C.		From DNA Nano-Surfaces to DNA machines	15
Kolesnik-Gray, M.	keynote	Quantum geometry in industry-grade semiconductors: Nonreciprocal magnetotransport phenomena in 4H-SiC nanoribbons	16
Nematian, N.	T4	Laser- and polarisation-dependent Raman study of single crystal and monolayer WSe2	17
Pashkin, A.		Nonlinear terahertz response of free charge carriers in semiconductors	18
Puddu, A.	T5	Scalable Quantum Photonics: Electrically Driven Single-Photon Sources at Telecommunication Wavelengths	19
Sahu, S.		Visualizing CrSBr Anisotropy with Kelvin-Probe Force Microscopy	20
Strobel, C.		Vertical graphene-based transistors for photodetection and RF electronics	21
Winnerl, S.		Low-energy photocurrent spectroscopy on 2D materials	22

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