POSTER SESSION I

PI-1	**Single-qubit quantum gate at an arbitrary speed** *Seongjin Ahn (KAIST)*
PI-2	**Optimized Error Filtration for Noise Mitigation in Quantum Systems** *Aaqib Ali (University of Bari)*
PI-3	**Imaginary Synthetic Magnetic Field for ultracold atoms** *Saulius Alminas (Vilnius University)*
PI-4	**Progresses toward subSQL readout and control of mechanical resonators at the mesoscale** *Lakhal Amin (CNRS - Laboratoire Kastler Brossel)*
PI-5	**Gap Solitons Hosted by a Harper-Hofstadter Model with a Saturable Nonlinearity** *Oliver Ashfield (University of Birmingham)*
PI-6	**Optical Protocol for Generating non-Gaussian state in C-band** *Elnaz Bazzazi (Humboldt University of Berlin)*
PI-7	**Investigation of Silver-Aluminium Mixed Mirrors for Space Communication Applications** *Alexandr Belosludtsev (Center for Physical Sciences and Technology)*
PI-8	**Topological Quasiparticles in Nonhomogeneously Polarized Airy Beams** *Justas Berškys (State research institute Center for Physical Sciences and Technology)*
PI-9	**Catability as a direct metric for evaluating superposed coherent states** *Šimon Bräuer (Palacký University Olomouc)*
PI-10	**Stationary Vortex States in Two-Component Bose–Einstein Condensates** *Yakov Braver (Vilnius University)*
PI-11	**Two Point Resolution in Defocused Coherent Imaging: Theoretical Framework and Implications for High-Speed 3D Reconstruction** *Adalberto Brunetti (Bari University)*
PI-12	**Towards a Quantum Interface Between Trapped Ions and Telecom Photons** *Valentin Cambier (Université Paris Cité)*
PI-13	**Can Quantum Jumps Improve Quantum-Battery Charging?** *Grzegorz Chimczak (Adam Mickiewicz University)*
PI-14	**How Likely Are You to Observe Non-locality with Imperfect Detection Efficiency and Random Measurement Settings?** *Paweł Cieśliński (University of Gdansk)*
PI-15	**Leveraging the Encirclement of the Exceptional Points in the Cycle of Quantum Heat Engine Described by Thermal States** *Ivan Davydenko (Adam Mickiewicz University)*

PI-16	**Cross-talkincontinuous-variablequantumpassiveoptical networks** *Ivan Derkach (Palacky University)*
PI-17	**High-dimensional photonic circuits using liquid-crystal metasurfaces** *Sneha Dey (University of Naples, Federico II)*
PI-18	**Optimal and effective signal-processing tools for atomic magnetometers** *Klaudia Dilcher (University of Warsaw)*
PI-19	**Quantum metrology with click-counting measurements** *Sitotaw Eshete Gebremeskel (Paderborn University)*
PI-20	**Correlation plenoptic microscopy with entangled beams** *Davide Giannella (Università degli Studi di Bari)*
PI-21	**Direct Laser-Written Optomechanical Metamaterials in Optical Cavity Arrays** *Florian Giefer (Institute of Applied Physics, University of Bonn)*
PI-22	**Resonant coupling in far-detuned two-level systems with permanent dipole moments** *Piotr Gładysz (Nicolaus Copernicus University in Torun)*
PI-23	**Quantum Metrology under Coarse-Grained Measurement** *Byeong-Yoon Go (KAIST)*
PI-24	**Squeezed Lasing via Cavity-Assisted Raman Transitions** *Rodrigo Grande (Instituto de Física Fundamental - CSIC)*
PI-25	**Optical System for Bi-Directional Tracking in Free-Space Quantum Key Distribution Link** *Akhil Gupta (LMU Munich, AG Hänsch/Weinfurter)*
PI-26	**State Transfer in Noisy Modular Quantum Networks** *Markku Hahto (University of Turku)*
PI-27	**Matched optical vortices of slow light using a tripod coherently prepared scheme** *Hamid Reza Hamedi (Vilnius University)*
PI-28	**To ards interfacing antum states from an airborne ions in a groundbased ion trap** *Sheng-Hsuan Huang (Friedrich-Alexander-Universität Erlangen-Nürnberg)*
PI-29	**Optical Time-Domain Quantum State Tomography on a Subcycle Scale** *Emanuel Hubenschmid (University of Konstanz)*
PI-30	**Probing New Physics with Calcium Isotope Shift Measurements using a Trapped Ion Quantum Computing Platform** *Luca Immanuel Huber (ETH Zurich)*
PI-31	**Laser-Induced Fluorescent Defects in Hexagonal Boron Nitride** *Julius Janušonis (FTMC)*

PI-32	**Entanglement detection in high-dimensional states via Hilbert space mapping** *Josef Kadlec (Palacký University in Olomouc)*
PI-33	**Photon Counting Statistics in Gaussian Bosonic Networks** *Kalle Kansanen (Lund University)*
PI-34	**Quantum Synchronizing Words: Resetting and Preparing Qutrit States** *Marcin Karczewski (Adam Mickiewicz University)*
PI-35	**Exploiting separation-dependent coherence to boost optical resolution** *Ilya Karuseichyk (Laboratoire d'Optique Appliquée)*
PI-36	**Multiplexed single-photon sources based on spatial multiplexers with optimized structure** *András Kaszás (University of Pécs)*
PI-37	**The Cumulant Expansion Approach: the Good, the Bad and the Ugly** *Johannes Kerber (University of Innsbruck)*
PI-38	**High-fidelity quantum control via the Autler-Townes effect** *Teodora Velcheva Kirova (University of Latvia)*
PI-39	**From Lasers for Quantum Technologies to Optical Clocks** *Jennifer Koch (TOPTICA Photonics AG)*
PI-40	**Two-Photon Cooling of Calcium Atoms** *Silvan Koch (ETH Zurich)*
PI-41	**Cascaded Frequency Conversion of NV-Center Fluorescence to the Telecom C-Band With Low Noise Spectral Density** *Roger Kögler (Humboldt University zu Berlin)*
PI-42	**Optical Quantum Process Tomography in Warm Atomic Vapors** *Marek Kopciuch (Adam Mickiewicz University)*
PI-43	**Non-Hermitian Dynamics of Atomic Systems: The Spectral Role of Quantum Jumps** *Marek Kopciuch (Adam Mickiewicz University)*
PI-44	**Experimental retrieval of photon statistics from click detection** *Suchitra Krishnaswamy (Paderborn University)*
PI-45	**Parity-time symmetry of the refractive index and its control in multilevel atomic system** *Viačeslav Kudriašov (Vilnius University)*
PI-46	**Polarization Properties of Cavity Scattering by a Cold Ensemble of Atoms** *Árpád Kurkó (HUN-REN Wigner Research Centre for Physics)*
PI-47	**Quantum Correlations of the Biphoton Decay in Colloidal Cuantum Dots** *Raul Lahoz-Sanz (Universitat de Barcelona)*
PI-48	**Experimentally Verifiable Criteria for Non-Gaussian Coherence** *Albane Lapras (Sorbonne universite)*