POSTER SESSION II

PII-1	**Joint optimization of source and detectors for the discrete variable quantum key distribution in the presence of strong classical signals** *Mikolaj Lasota (Nicolaus Copernicus University)*
PII-2	**Exploring the Quantum Robustness of the Toric Code Using Neural Quantum States** *Eimantas Ledinauskas (Institute of Theoretical Physics and Astronomy)*
PII-3	**Effects of the finite size of the illumination stage in correlation imaging setups** *Giuseppe Lerario (Universitá degli studi di Bari "Aldo Moro")*
PII-4	**Polarization-entangled photon-pair source based on parametric optical frequency conversion in a photonic crystal fiber** *Gustas Liaugminas (Center for Physical Sciences and technology)*
PII-5	**Witnessing genuine continuous-variable contextuality and Bell non-locality** *Carlos E. Lopetegui Gonzalez (LKB-Sorbonne University)*
PII-6	**Theoretical investigation of guided mode resonance effect in optical gain cavities** *Ignas Lukošiūnas (Laser Research Center)*
PII-7	**Magnetically generated spin-orbit coupling for ultracold atoms with slowly varying periodic driving** *Mazena Mackoit Sinkeviciene (Vilnius University)*
PII-8	**Bounding deterministic Gaussian conversion protocols for conversion of non-Gaussian states** *Alex Maltesson (Chalmers University of Technology)*
PII-9	**Local purity distillation and the geometric entanglement** *Piotr Masajada (Polish Academy Of Sciences)*
PII-10	**Optimal measurement induced squeezing for CV cluster states** *Michal Matulík (Palacký University Olomouc)*
PII-11	**A fiber testbed and a quantum repeater cell for quantum communication** *Jonas Meiers (Saarland University)*
PII-12	**Photon Number States via Iterated Photon Addition in a Loop** *Barna Mendei (Eötvös Loránd University)*
PII-13	**Dynamics of strongly coupled harmonic oscillators in Gaussian noisy channels** *Tatiana Mihaescu (Horia Hulubei National Institute for Research and Development in Physics and Nuclear Engineering)*
PII-14	**Phase Sensitivity for a parametric amplifier-enhanced unbalanced Mach-Zehnder interferometer** *Karunesh Mishra (Horia Hulubei National R&D Institute for Physics and Nuclear Engineering)*

PII-15 **An All-Gaussian Quantum Neural Network**
Hironari Nagayoshi (The University of Tokyo)

PII-16 **Low-vibration cryostat towards high-performance quantum memories in a rare-earth ion-doped crystal**
Hani Naim (Institut de Physique de Nice, Université Côte d'Azur)

PII-17 **Multimode Squeezed States in Telecom and the Mode-Selective Production of Non-Gaussian States Induced by Waveguides**
Peter Namdar (LKB, Sorbonne University)

PII-18 **Toward Neutral Atom Array Quantum Processors in Singapore**
Xuan Thanh Nguyen (National University of Singapore)

PII-19 **Ac-Stark lattice modulation method to achieve long-lived collective Rydberg excitations in atomic gas**
Bartosz Niewelt (University of Warsaw)

PII-20 **Suitable interaction picture for the high-frequency expansion of periodic Hamiltonians belonging to su(3) Lie algebra**
Viktor Novičenko (Vilnius university)

PII-21 **Work Extraction from Squeezed Thermal State with Unknown Phase**
Eliška Postavová (Palacky university Olomouc)

PII-22 **Exploring Synchronization of Multimode Squeezed States of Light in a Continuous Variable Quantum Network**
Radivoje Prizia (Sorbonne Université)

PII-23 **Towards optical states of four photons**
Jan Provaznik (Palacky University)

PII-24 **Entangling Mechanical Motion of Levitated Nanoparticles by Wave-Packet Dispersion**
Andrey Rakhubovsky (Palacky University)

PII-25 **Quantum enhanced absorption estimation with correlation assisted conditional states**
Nigam Lahari Samantaray (University of Bari)

PII-26 **Detecting entanglement in a locally randomised measurements scenario**
Gniewomir Sarbicki (Nicolaus Copernicus University)

PII-27 **Exploring Quench Dynamics and Two-Particle Physics in a Topologically Non-Trivial Kronig-Penney Type Model**
Sarika Sasidharan Nair (Okinawa Institute of Science and Technology)

PII-28 **Realizing non-Hermitian dynamics in a quantum walk of structured light**
Paola Savarese (Università degli studi Federico II)

PII-29 **Dynamics of open quantum systems with initial system-environment correlations via stochastic unravelings**
Federico Settimo (University of Turku)

PII-30 **Environment-assisted generation of quantum correlations in open quantum systems**
Alina-Alexandra Stoica (Horia Hulubei National Institute for R&D in Physics and Nuclear Engineering)

PII-31 **Continuous-variable Unitary Averaging Protocol**
S. Nibedita Swain (University of Technology Sydney and University of Queensland)

PII-32 **Generation of multiphoton states by multiplexing of heralded photon sources**
Bálint Morgan Szilasi (HUN-REN Wigner Research Centre for Physics)

PII-33 **Some non-algebraic forms of exp(ˆA+ˆB)**
Marco Antonio Tapia Valerdi (Instituto Nacional de Astrofísica Óptica y electrónica)

PII-34 **Quantum-Chemical Model of the Optical Methanol-Sensing Mechanism of the meso-Formyl BODIPY Compounds**
Stepas Toliautas (Vilnius University)

PII-35 **Resource-efficient quantum correlation measurement using a multi-copy estimation approach**
Patrycja Tulewicz (Adam Mickiewicz University)

PII-36 **Single-qubit probes for temperature estimation in the presence of collective baths**
Asghar Ullah (Koç University)

PII-37 **Phonon-Induced Electronic Bell State in a Two Dimensional Quantum Dot Quantum Simulator**
David Ullrich (Universitat Autònoma de Barcelona)

PII-38 **Superconducting YBCO planar microresonators for conventional high sensitivity ESR**
Gediminas Usevičius (Vilnius University)

PII-39 **Analytical solutions of the open dispersive Jaynes-Cummings model and open quantum Rabi model**
Antti Vaaranta (University of Helsinki, Aalto university)

PII-40 **The role of entanglement in the excitation of a three-level atom by a propagating two-photon light**
Masood Valipour (Nicolaus Copernicus University in Torun)

PII-41 **Enhanced linear optical state preparation with invariants**
Pablo Veganzones Parellada (Universidad de Valladolid)

PII-42 **Single-atom-based quantum jump detection of single photons in a broadband background**
Romain Veyron (The Institute of Photonic Sciences)

PII-43 **Quantum many-body phases in subwavelength brick wall lattice**
Dzmitry Viarbitski (Vilnius University)

PII-44 **Quantum metrology through spectral measurements in quantum optics**
Alejandro Vivas-Viaña (Chalmers University of Technology)

PII-45 **Quantifying non-Gaussianity with the SNAP-rank**
Rui Wang (Chalmers University of Technology)

PII-46 **Recurrence in discrete-time quantum stochastic walks**
Iskender Yalcinkaya (Czech Technical University in Prague)

PII-47 **Topological Transport Properties of Height Modulated Subwavelength Barrier Lattices**
Giedrius Žlabys (Okinawa Institute of Science and Technology)