

POSTER SESSION 1

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| 45 | High-Performance Photon-Pair Source Using Two-Photon Polymerized Strip-Loaded Lithium Niobate Waveguide | Muhamed | Sewidan |
| 74 | A compact and portable energy-time/time-bin entangled biphoton source for quantum networks | Rong | Xue |
| 84 | Characterizing Single-Mode Squeezed Light with Higher-Order Broadband Correlation Functions | Fabian | Schlue |
| 97 | Effective programming of a photonic processor with a complex interferometric structure for the implementation of desired unitaries | Ilya | Kondratyev |
| 139 | PaQS: The Paderborn Quantum Sampler | Michael | Stefszky |
| 146 | Quantum Key Distribution at High Secret Key Rates with Hybrid Photonic Integrated Circuits | Julius | Römer |
| 149 | Integrated Microring Resonators for Robust Quantum Networks | Mingsong | Wu |
| 169 | Quantum network-ready indistinguishable single photon source | Nijil | Lal |
| 253 | Quantum-secure distributed sensing | Russell | Brooks |
| 258 | Scalable generation and detection of on-demand W-state in nanophotonic circuit. | Govind | Krishna |
| 263 | 24-mode universal photonic processor in a femtosecond laser writing platform | Francesco | Ceccarelli |
| 270 | Cryogenic Feedforward of a Quantum State | Frederik | Thiele |
| 301 | A design framework for Quantum Pulse Gates in Thin-Film Lithium Niobate | Alejandra | Alarcón |
| 314 | Hong-Ou-Mandel interference between two photons of vastly different colour | Helen | Chzanowski |
| 135 | A Compact Receiver for Decoy-State Polarization-Encoded BB84 QKD Based on a CMOS-SPAD Chip | Michael | Steinberger |



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| 211 | A Robust and Compact Telescope for Ground-to-Ground Free Space Quantum Key Distribution | Manpreet | Kaur |
| 215 | Experimental Device-Independent Certification of a 4-qubit GHZ State | Nicolas | LAURENT-PUIG |
| 231 | Experimental demonstration of Einstein–Podolsky–Rosen steering in high-speed telecommunication system with detection loophole closed | Qiang | Zeng |
| 233 | Enhancements to quantum communication performance utilising a prototype photonic lantern and multiplexed single-photon detection | Harikumar | Chandrasekharan |
| 241 | A Low-SWaP GHz Quantum Random Number Generator for Satellite Quantum Key Distribution | Oliver | Crampton |
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| 304 | Investigations of PrYVO for its applications as a large bandwidth telecom quantum memory platform | Sean | Keenan |
| 306 | Towards a broad-band quantum memory in the telecom band using rare-earth doped crystals | Meysam | Setodeh Kheirabady |
| 5 | Plasmonic Hong-Ou-Mandel sensing for measuring refractive index | Seungjin | Yoon |
| 12 | Quantum metrology with time-frequency single photon states | Eloi | Descamps |
| 29 | Advancing quantum photonics technologies through optical metrology | Angela | Gamouras |
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| 37 | Quantum enhanced precision metrology for quantum networks | Jabir | M. V |
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| 69 | Combined detector and weak light source in a single device for metrology applications in the infrared wavelength range | Toomas | Kübarsepp |
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| 130 | Optimal single-photon quantum light spectroscopy | Sourav | Das |
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| 283 | Imaging High-Dimensional Bell Violations via Two-Photon Multi-Slit Interference | Kiki | Dekkers |
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| 6 | Spectral purification of spontaneous parametric down-conversion photons via spatial filtering | Michael | Schlosser |
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| 48 | Bright Heralded Single-photon Source with Ideal Purity Based on Silicon Chip via Spontaneous Four Wave Mixing | Qiang | Zeng |
| 50 | Enhanced Single-Photon Extraction from GaN via Directly Patterned Circular Bragg Gratings | Keesuk | Hong |
| 55 | Purifying quantum-dot light in a coherent frequency interface | Fabrizio | Chiriano |
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| 142 | Quantum-classical dualism in single photon light emission by hexagonal boron nitride flakes | Valeri | Kovalev |
| 143 | Novel source of polarization-entangled photon pairs for satellite-mediated quantum communication | Sarah | McCarthy |
| 144 | Generation, detection and characterization of ultralow energy light | Valeri | Kovalev |
| 154 | Phonon impact on a single CdSe quantum dot from cryogenic to room-temperature | Francis | Granger |
| 159 | Towards interfacing quantum states from an airborne WGMR with Yb ions in a ground-based ion trap | Thomas | Dirmeier |
| 160 | Resonantly driven DBATT molecules under pulsed excitation | Maximilian | Luka |
| 163 | Effective characterization of multi-photon interference via distinguishability partitions | Emilio | Annoni |
| 165 | Photolithographically-positioned spin-photon interfaces for large-scale silicon integration | Vivekanand | Tiwari |
| 176 | Purcell-Enhanced Single Photons at Telecom Wavelengths from a Quantum Dot in a Photonic Crystal Cavity | Catherine | Phillips |
| 177 | Telecom Quantum Dots as single photon emitters | Beatrice | Costa |
| 188 | Building a High NA Optical System to Efficiently Collect Single Photons | Subhabrata | Ghosh |
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| 222 | Single Photon Integrated Quantum Dot Source with Optical vs Electrical Drive | Mark | Prusten |
| 228 | Controlling the rate of single-photon emission from colloidal cadmium selenide quantum dots using a medium of different dielectric constant | Manojkumar | Vishwakarma |
| 235 | High efficiency photon pair generation from an ultra-silicon-rich nitride (USRN) Bragg grating chip | Jinyi | Du |
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| 256 | Multiplexing Indistinguishable Quantum Emitters using Multi-Plane Optical Circuits | Suraj | Goel |
| 261 | A temperature-insensitive source of highly nondegenerate polarization-entangled photon pairs based on Noncritical Birefringent Phasematched spontaneous parametric downconversion in single-domain KTiOPO4 | Jia Boon | Chin |
| 264 | Optimization of Circular Bragg Grating Resonators for Quantum Dot Single-Photon Sources in the Telecom C-Band | Yorick | Reum |
| 279 | Scalable registration of single colour centres in solid immersion lenses by femtosecond laser writing | Alexander | Jones |
| 282 | Controlling Multiple Quantum Dots using Structured Light | Mehul | Malik |
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| 288 | Compact operation of a pigtailed single photon source and superconducting single photon detectors | Nicolas | Maring |
| 291 | Cooperative photon emission between multiple indistinguishable quantum dots | Sheena | Shaji |
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