

**IEEE Photonics Symposium  
Eindhoven, NL  
List of Posters**

<b>Nr</b>	<b>First name</b>	<b>Last name</b>	<b>Title of contribution:</b>
1	Mingxiang	Yang	Inverse design of perfectly vertical apodized grating couplers with a gold reflector
2	Don	van Elst	Application-Specific Optimization of Near-Infrared Spectral Sensors
3	Aleksandr	Zozulia	Design of InP membrane SOA with butt-joint active-passive interface
4	Pieter	Verhulst	Robust Beam Width Estimation with Sub-Pixel Resolution in Uncontrolled Imaging Conditions
5	Mikolaj	Wolny	Quad Photodiode Array for Optical Wireless Communication
6	Romain	Morleghem	Semi-nonlinear waveguides for three waves mixing
7	Wenjing	Tian	Monolithically integrated temperature sensor in InP-based generic integration technology
8	Sander	Reniers	Design and analysis of high-density SOA arrays on indium phosphide
9	Tunon Lara	de Mateo	Synthesis of an optical waveguide in bulk silica with a femtosecond laser inscription and wet etching treatment
10	Oumayma	Bouchmal	A QAOA-based solution for routing optimization for optical networks in 6G
11	Ian	Bauwens	Phase modulation improves performance of delay-based reservoir computing with semiconductor lasers
12	Xin	Guo	GaSb Photodiode via Micro-Transfer-Printing for Mid-infrared Applications
13	Carolina Maria	Sodré Campos Amaral	Hybrid mm-Wave and OWC for High-Capacity Indoor Communication System
14	Lisi	Xia	Fast switchable supercontinuum generation in strongly-coupled waveguides
15	Yihui	Wei	Design of a Micro-Transfer-Printed III-V-on-Silicon-Nitride 100 GHz-class Modulator
16	Marco	Passoni	A Python Implementation of Aperiodic-Fourier ModalMethod for Electromagnetic Simulations
17	Senbiao	Qin	Design of a 25Gbit/s O-band high sensitivity receiver
18	Jasper	de Graaf	RF-choke based on-chip bias-T monolithically integrated with high speed UTC-PD
19	Eslam	Fahmy	Amorphous Silicon side-wall grating DFB InGaAs/GaAs nano-ridge laser epitaxially grown on a Si wafer
20	Jef	Van Asch	Design of a Broadband Adiabatic Coupler for Interfacing PICs to Optical Redistribution Layers
21	Lodovico	Rossi	A Universal Cross-Section Module to Bridge PIC Layout and Simulation Methods
22	Julian	Konig	Evaluation of Attenuation Methods for an Integrated, Weak Coherent Source for Quantum Key Distribution
23	Yichen	Liu	Fabrication tolerant, broadband directional coupler design, modeling, and validation
24	Eduardo	Muller	Performance Evaluation of Beam Steering using piezoelectric actuators.
25	Fathema	Farjana	Design of dense InP based optical antenna array for 2D beam steering
26	Catalina	Stan	A Deep Reinforcement Learning Approach for Computation Offloading at the 5G Network Edge
27	Fourier	Sandah	Study of polarization effects on distributed vibration sensing based on FBGs array
28	Jiaxing	Dong	Monolithic 16 GHz DBR mode-locked laser in an InP generic foundry platform: simulation and experiment
29	Rachel	Jones	Towards integration of a Pound Drever Hall frequency stabilized laser system on the InP platform
30	Lisa	Winkler	637-nm High-Confinement SiN Waveguide Feedback Circuits for Hybrid-Integrated Diode Lasers
31	Yvan	Klaver	Modelling of Brillouin activated normal dispersion microcombs in double stripe silicon nitride waveguides
32	Menno	van den Hout	Improving Alignment of Free-Space Coupling of Multi-Mode Fibres using Off-Axis Digital Holography
33	Sjoerd	van der Heide	Receiver calibration and quantum random number generation for continuous-variable quantum key distribution
34	Zhizhi	Yang	Comparison between Laser Doppler and Sagnac-based vibrometers from the view of signal-to-noise ratio
35	Lukas	Puts	Noise-induced pulse-timing statistics in an integrated two-section semiconductor laser with saturable absorber
36	Vincent	van Vliet	Design, Characterisation, and Demonstration of a Hot-Air-Based Optical Turbulence Generator
37	Carlos Rubio	Garcia	Quantum Secured Control Plane Communications
38	Dennis	Maes	Micro-Transfer-Printed Photodiodes on Silicon Nitride for High-Speed Communications
39	Ozan	Cirkinoğlu	A monolithically integrated widely tunable low linewidth laser source
40	Joel	Hazan	Towards a Fourier-Domain mode-locked laser system with an integrated Mach-Zehnder interferometer as frequency filter
41	Emiel	Dieussaert	Proposal for non-contact photoacoustics using silicon photonics-based Laser Doppler Vibrometers
42	Limeng	Zhang	Study of linearity and chirp range of an integrated tunable laser for FMCW LiDAR
43	João	Frazão	Parameter analysis in Continuous-Variable Quantum Key Distribution with arbitrary modulation
44	Alessandro	Lupo	Extreme Learning Machines based on Optical Frequency Combs
45	Luis	Reis	Large size gallium phosphide micro-transfer printing for integrated nonlinear photonics
46	B.S.	Vikram	Demonstration of low differential phase noise for optical phased arrays with optical amplification
47	Alessandro	Lupo	Time and frequency multiplexed implementation of a deep Reservoir Computer
48	Zhaowei	Chen	Design and fabrication tolerance analysis of a polarization insensitive spot-size converter for InP-membrane-on-silicon platform
49	James Arthur	Hillier	Electrical modeling of coplanar waveguide and coplanar strip indium-phosphide electro-optic phase modulators.
50	YingGang	NAN	Properties of Fiber Bragg Grating in CYTOP Fiber Response to Temperature and Humidity
51	Tianbo	Zhu	Investigation of polarization dependency on gold-coated multicore fiber
52	David	De Vocht	Design of multiwavelength meta-grating couplers for Free-Space Beam projection from a SiN photonic integrated circuit
53	Ivan	Chapalo	Gamma radiation response of FBG inscribed in 20-µm core graded-index polymer CYTOP fiber
54	Kai	Wang	Design of a 785 nm/ 1.85 µm wavelength demultiplexer based on multimode interference coupler
55	Carlos Osomio	Martinez	Design and optimization of an Er-doped Al <sub>2</sub> O <sub>3</sub> adiabatic waveguide taper for double layer integration with Si <sub>3</sub> N <sub>4</sub> platform
56	Bin	Shi	Additional Parallelism for Photonic Integrated Convolutional Neural Network
57	Soheila	Mardani	Aluminum nitride low loss waveguides
59	Desalegn Wolde	Feyisa	Implement an optimization model and interface for an optimized operation of Semiconductor Optical Amplifier cascades in optical switches.
60	Dahnée	Wojcik	Design of a Unidirectional Laser by using a Nd-doped Taji Resonator for Sensing purposes
61	Lantian	Chang	Towards broadband optical water-level testing system with on-chip micro-parabolic mirror
62	Diego	Vargas	Optimizing LED performance for LiFi: bandwidth versus efficiency
63	Xiaochen	Liu	Optical Receiver Front-end Design Choices to Enhance Throughput of LiFi
64	Alice	De Corte	Tailoring of electric dipoles for highly directional excitation in parity-time symmetric waveguides
65	Oumayma	Bouchmal	Edge computing platforms for AI-driven services: from enhanced security to the semiconductor industry
66	Prasad	Dandu	Polarization-sensitive reflectometry for distributed magnetic field measurement in thermonuclear reactors: impact of dynamic range
67	Tasfia	Kabir	Characterization of an AWG based continuously tunable filter