IEEE Photonics Benelux symposium

Gent, Be

List of Posters

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| --- | --- | --- | --- |
| **P Nr** | **First Name** | **Last Name** | **Title of contribution** |
| 1 | Salim | Abdi | Thermal design considerations for vertical integration of InP nanophotonic membrane devices with InP electronics |
| 2 | Konstantinos | Akritidis | Heterogeneous integration of evanescently-coupled GaAs-based amplifiers for laser systems emitting in the near-infrared |
| 3 | Bart | Bas | Using Optical Ring Resonators for True-Time Delay: Investigating the Required Delay Bandwidth |
| 4 | Zhaowei | Chen | Ultra flat butt-joint interface in InGaAsP-based active/passive waveguides |
| 5 | Zhaowei | Chen | Design of C-band electro-absorption modulator/DFB laser monolithically integrated with selective area growth on InP membrane |
| 6 | Timothé | David | Dispersion adapted Nonlinear Schrödinger equation to simulate Kerr effects inside a Bragg grating. |
| 7 | Alice | De Corte | Parity-time symmetric waveguides coupled through chiral materials |
| 8 | Tunon | De Lara | Characterization of optical waveguides engraved in silica planar substrates with a femtosecond laser process |
| 9 | Shiqi  | Fang | UV Photonic integrated Circuits for Structured Illumination Microscopy with High Optical Throughput |
| 10 | Yuxi | Fang | Comparison of thermo-optic phase shifters in silicon platforms |
| 11 | Natalia | Fiuczek | Electrochemical etching - a way to enable transfer-printing of III-nitride devices |
| 12 | Salah | Guessoum | VCSEL wavelength tunability using controlled mechanical strain |
| 13 | James | Hillier | Equivalent circuit modelling of high-speed coplanar strip InP-based Mach-Zehnder phase modulators |
| 14 | Bram | Kok | Numerical comparison of sensing performance of a microring resonator and Mach-Zehnder interferometer in Al2O3 |
| 15 | Julian | Konig | Simulations of a sub-kilohertz linewidth laser in monolithic indium phosphide |
| 16 | Daniel Christian | Lawo | Implementation and Comparison of Dilithium/Kyber and Falcon/Kyber PQC software stack on data processing units |
| 17 | Jiayi | Liu | Finite Element Modelling of Liquid Crystal Orientation and Its Applications in a Tunable Bimodal Periodic Waveguide |
| 18 | Chunyu | Lu | Microscopy on a Chip |
| 19 | Dennis | Maes | Toward Speckle-free Laser Engines on Chip for AR/VR displays |
| 20 | Kolsoom | Mehrabi | Process flow optimization for a fabrication-friendly polarization converter design on the monolithic integration generic InP platform |
| 21 | Bernat | Molero Agudo | A computationally efficient tool for calculating the field in a multi-mode fiber |
| 22 | Korneel | Molkens | Dissipative coupling between ring resonators for large area, single mode lasing at visible wavelengths. |
| 23 | Margot | Niels | Micro-Transfer Printing for cm-scale Heterogeneous Integration of Lithium Niobate |
| 24 | Carlos | Osornio Martinez | Influence of waveguide taper length on the total loss of an Al2O3:Er3+ ‒ Si3N4 vertical coupler |
| 25 | Toon | Sevenants | Comparison of annealing methods for photonic Ising machines |
| 26 | Tom | Sistermans | Fluctuation imaging of nanoscale disorder in monolayer semiconductors |
| 27 | Chenming | su | Design and Fabrication of Low Loss SiOx Waveguide for Applications in the UVC wavelength range |
| 28 | Mohammad | Talebi Khoshmehr | Low-loss Hybrid Optical Waveguides in Amorphous Silicon Carbide |
| 29 | Thijs | Ullrick  | Complex vector fitting toolbox: a Python package for the baseband macromodeling of multi-wavelength linear and passive photonic integrated circuits |
| 30 | Vincent | van der Doef | Modeling of programmable lenses with liquid crystal elastomers |
| 31 | Tom  | Vandekerckhove | Printable Optical Nonlinearities: Micro-Transfer Printing of Periodically-Poled Lithium Niobate |
| 32 | Xudong | Wang | A Non-Invasive Pre-Bonding Screening Method for Cascaded SOA-based Photonic Integrated Circuits |
| 33 | Yunjie  | Yan | Design of Subwavelength-thick metalenses with polarization-insensitive |
| 34 | Andualem | Yimam | Semi-analytical model for electrically injected monolithic GaAs on silicon nano-ridge laser diodes |
| 35 | Yaxiang | Zeng | Investigating factors influencing the reflectivity of aluminum thin layers on 3D printed micromirrors |
| 36 | Limeng | zhang | Integrated Gyroscope Performance for Wide Temperature Range using SiN Ring Resonators |
| 37 | xiujun | Zheng | UV photonics integrated circuit for biomolecule detection with SiO2 as a waveguide core on CaF2 substrate |
| 38 | Aleksandr | Zozulia | Directly modulated DFB lasers on InP membrane on Si |
| 39 | Bjorn  | Jongebloed | Aluminium oxide 1x8 splitter tree for blue light |
| 40 | Zhizhi | Yang | On-chip Distributed Fiber Sensing based on Stimulated Brillouin Scattering |
| 41 | Ruqi | Shi  | Coherent Ising machines on photonic integrated circuits |
| 42 | Tom | Reep | Enhancing modulation efficiency and reducing transmission penalty in double-layer graphene modulators through waveguide design optimization |