

VALENCIA, SPAIN
30TH MAY - 1ST JUNE 2018



ECIO2018

20TH EUROPEAN CONFERENCE
ON INTEGRATED OPTICS

| ID | ACCEPTED AS ORAL COMMUNICATIONS | |
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| 31 | Towards Integrated MagnetoPhotonics using Claddings with Perpendicular Magnetic Anisotropy | Oral |
| 39 | Dual-polarization O-band silicon nitride Bragg filters with high extinction ration | Oral |
| 44 | O-Band QPSK modulation based on a silicon dual-drive Mach-Zehnder | Oral |
| 45 | On-Chip Vernier Filtering of Colliding Pulse Mode-Locked Laser Coupled with Fabry-Pérot Feedback Cavity via MMI Reflector | Oral |
| 47 | Tilted-potential Photonic Crystal Cavities for Integrated Quantum Photonics | Oral |
| 53 | High performance and small footprint spot size converters based on SWG metamaterial lenses | Oral |
| 58 | Fabrication of periodically poled low-loss rubidium exchanged ridge waveguides in z-cut KTP | Oral |
| 59 | High-efficiency SiN Grating Fiber-Chip Coupler with Bottom Reflector | Oral |
| 61 | Quantum Photonic Processor based on Silicon Nitride Waveguides | Oral |
| 64 | Matrix Addressing Silicon Photonics Phase Shifters using Heaters with Integrated Diodes | Oral |
| 66 | Analysis of the Operation of an Integrated Unidirectional Phase Modulator | Oral |
| 67 | Low loss transmission lines in COBRA generic photonic integration platform | Oral |
| 68 | Investigation of Unidirectionality in an Asymmetric Ring Mode Locked Laser with two Saturable Absorbers | Oral |
| 73 | Water-loaded plasmonic stripe integrated with Si ₃ N ₄ waveguide using gold and CMOS compatible metals | Oral |
| 74 | Integrated Al ₂ O ₃ :Yb ³⁺ Microring Laser for On-Chip Active Sensing in an Aqueous Environment | Oral |
| 79 | 100 Gb/s Duobinary Electro-Absorption Modulation of a Heterogeneously Integrated InP-on-Si DFB Laser Diode | Oral |
| 80 | Surface enhanced Raman spectroscopy via isolated plasmonic nanoantennas integrated on silicon nitride waveguides | Oral |
| 84 | Low-threshold and High-speed Quantum-dot Microring Lasers on Silicon | Oral |
| 86 | Ultra-low-power stress-based integrated photonic phase actuator | Oral |
| 88 | Integration Strategies of On-Chip Organometal Halide Perovskite Lasers | Oral |
| 91 | Integrated Passband Optical Filter with High-Order Phase-Shifted Bragg Grating in Silicon-on-Insulator Technology | Oral |
| 94 | A new platform for integrated quantum optics: the short-wave infrared | Oral |
| 96 | Gain characteristics of 1.3µm GaInNAs/GaAs quantum wells monolithically integrated on Ge | Oral |
| 101 | Silicon Micro-ring Resonator Integrated in an Optoelectronic Oscillator System | Oral |
| 103 | InAs/GaAs quantum dot 1.3 µm DFB laser heterogeneously integrated on a silicon waveguide circuit | Oral |
| 105 | A tuning method for photonic integrated circuits in presence of thermal cross talk | Oral |
| 109 | Automatic Htless Tuning of Third Order Micro-Ring Resonator Add-Drop Filters | Oral |
| 110 | Low-loss inverted taper edge coupler in silicon nitride | Oral |
| 119 | Integrated Silicon-on-Insulator AWG Spectrometer with Single Pixel Readout for 2.3 µm Spectroscopy Applications | Oral |
| 121 | Coherent control of the absorption and scattering of an isolated plasmonic nanoantenna integrated in a silicon waveguide | Oral |
| 125 | Ultra-compact label-free silicon-nanoantenna-based optofluidic microflow cytometer with a high signal-to-noise ratio | Oral |
| 129 | The performance of High-Index-Contrast Photonics Platforms for On-Chip Raman Spectroscopy | Oral |
| 131 | On-chip full-field test engine for photonic integrated devices based on optical frequency domain reflectometry technique | Oral |
| 138 | Towards Photonic Biosensing using a Three-Port Mach-Zehnder Interferometer in a Silicon Nitride Platform | Oral |