



25th edition, 17 - 19 June, 2024, Super-C building, RWTH Aachen, Germany

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On behalf of the ECIO team we wish you a great 2024. We start the year with the announcement of new invited speakers for the conference, see below in this newsletter. More announcements will follow soon.

But it is also a **reminder** for you in case you want to submit a paper for the upcoming edition.

The European Conference on Integrated Optics (ECIO) is the largest dedicated event on integrated optics in Europe and longest-running event dedicated to cutting-edge research and technological development in integrated photonics and nanophotonics. It covers topics spanning from advanced materials and technologies to novel device concepts and emerging applications.

ECIO has now reached its 25th edition!

Deadlines

- **Deadline for paper submission: March 3rd**
- Author notification: April 14th 2024
- Early registration: until April 28th 2024
- Normal registration: until May 12th 2024
- Late registration: until conference
- ECIO conference: 17 – 19 June 2024

New

Accepted papers will be published online by Springer Nature.

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Quantum Key Distribution with Integrated Photonics

Quantum computing's rapid advancement threatens current cryptography, which relies on complex problems solvable by quantum computers. This necessitates the development of "quantum-safe" technologies for future network p...

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Engineering photons and phonons in silicon nanostructures

Periodic subwavelength patterning of silicon enables the control of nonlinear effects with unprecedented flexibility. Here, we will present our most recent results on nonlinear supercontinuum generation and nonlinear Brillouin...

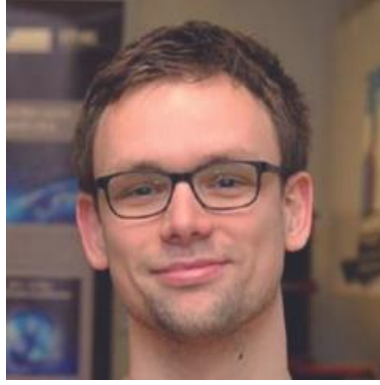
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Integrated and nonlinear photonics in thin film lithium niobate

An invited speaker presentation by Professor Katia Gallo, head of the Nonlinear and Quantum Photonics group at KTH - Royal Institute of Technology. Her activity spans theory, technology and experiments in nonlinear photonic c...

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Next-generation coherent pluggables enabled through vertical integration

An invited speaker presentation by Daniel Semrau, optical engineer at Infinera. In his role at Infinera in the optical systems group, Semrau is engaged in the full product development cycle from early-stage architecture, prod...

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Cutting-edge Integrated Photonics in Space

Integrated photonics has emerged as a transformative technology with significant potential for Space-based applications. This invited talk delves into the latest advancements, challenges, and opportunities surrounding the use...

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3D integration enabling ultra-low noise isolator-free lasers in silicon photonics

Laser integration in silicon photonics has been tackled by heterogeneous integration with compound III-V materials. The availability of ultra-low-loss silicon nitride waveguides offer the possibilities in enabling ultra low n...

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Single solid-state quantum emitter photonics for on-chip quantum information

Single solid-state quantum emitters have demonstrated considerable potential for the implementation of important quantum photonic devices such as on-demand single-photon sources or deterministic quantum logic gates. Converting...

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