

## Day 1 - Monday 7th April 2025

18:30 Pre-conference networking drinks reception

## Day 2 - Tuesday 8th April 2025

08:00 Registration and welcome refreshments

08:50 Housekeeping by Michael Lebby and David Cheskis - Conference Chairs

### Optimising materials and architectures to progress PICs

09:00 **Improving Performance of Germanium electro-absorption Modulators**

*Presented by Daniel Steckler - IHP Microelectronics*

09:15 **UV Photonics and Rare-earth Doped Amplifiers with Sputter-deposited Aluminium Oxide Waveguides**

*Presented by Dawson Bonneville - University of Twente*

09:30 **Presentation by Nanoscribe**

*Presented by Mareike Trappen - Nanoscribe*

09:45 **Presentation by imec**

*Presented by Leili Shiramin - imec*

10:00 **Photonic Integrated Circuit Packaging**

*Presented by Liam Moroney - Alter Technology*

10:15 Morning Break

10:55 **Comparing PIC Platforms: What's the Best Fit?**

*Presented by Sam Dale - IDTechEx*

11:10 **Structuring and Uniformity Improvement of Thin Film LN and other Waveguide Materials**

*Presented by Marcel Demmler - scia Systems GmbH*

11:25 **Presentation by PICadvanced**

*Presented by Name to be advised - PICadvanced*

11:40 **Industry Ready Photonic Integration using Photonic Wire Bonds & Facet-Attached Micro-Lenses**

*Presented by Dr. Laura Horan - Vanguard Automation*

11:55 **The Future Role of Bonding in Photonic Integrated Circuits and Co-Packaged Optics**

*Presented by Dr. Bernd Dielacher - EV Group*

12:10 **Advancing TFLN PICs to Meet Market Demand and Scale Production**

*Presented by Hamed Sattari - CCRAFT*

12:25 Lunch Break

### Delivering more data: AI, machine learning and tomorrow's computing

Sponsored by OPTICA

13:55 **Optical Interconnects for Next Generation of AI Systems**

*Presented by Ana González - iPronics*

14:10 **The Evolving Role of Optics in AI Clusters**

*Presented by Vlad Kozlov - LightCounting*

14:25 **Integrated Neuromorphic Photonics and Optical Computing Accelerators**

*Presented by Mat?j Hejda - Hewlett Packard Enterprise*

14:40 **Accelerating Photonic Design for Next Generation Computing with Multiphysics Simulation**

*Presented by Dylan McGuire - Ansys*

14:55 **Driving Functional Test Closer to the Chip**

*Presented by Matt Adams - VIAVI Solutions*

15:10 **Presentation by Keysight Technologies**

*Presented by Name to be advised - Keysight Technologies*

15:25 **Presentation by VPIphotonics**

*Presented by Name to be advised - VPIphotonics*

15:40 Afternoon Break

16:20 **Presentation by ficonTEC**

*Presented by Name to be advised - ficonTEC*

16:35 **Presentation by Lightium**

*Presented by Name to be advised - Lightium*

16:50 **Presentation by NVIDIA**

*Presented by Ashkan Seyedi - NVIDIA*

17:05 **The Future of Optical Interconnects is 3D Printed Freeform Optics**

*Presented by Dr. Sebastian Skacel - Vanguard Automation*

17:20 **Title to be confirmed**

*Presented by Martin Fiers - Luceda Photonics*

17:35 Closing Remarks

18:30 Networking Drinks / Dinner Reception

## Day 3 - Wednesday 9th April 2025

08:00 Registration and welcome refreshments

08:50 Housekeeping by Michael Lebbby and David Cheskis - Conference Chairs

### Optimising materials and architectures to progress PICs

09:00 **Enabling Increasingly Dense fiber-to-chip Connections in Datacenters**

*Presented by Benoit Fleury - Corning*

09:15 **InP PIC Platform and Architectures for Data-Center Applications**

*Presented by Mehrdad Ziari - Infinera*

09:30 **What about the PIC Manufacturing Sweet Spot?**

*Presented by Twan Korthorst - New Origin*

09:45 **Presentation by APEX Technologies**

*Presented by Name to be advised - APEX Technologies*

10:00 **Presentation by Physik Instrumente**

*Presented by Scott Jordan - Physik Instrumente*

10:15 **Accelerating the Adoption of Advanced Photonic Integrated Circuits Using Design Standardisation in PIC Packaging**

*ficonTEC, and imec*

10:45 Morning Break

### Harnessing PICs in healthcare, autonomous vehicles and beyond

11:25 **Scaling up LiDAR with Silicon Photonics**

*Presented by François Simoens - SteerLight*

11:40 **Aluminum Oxide PICs for UV Microscopy and Sensing**

*Presented by Nicolas Le Thomas - Ghent University*

11:55 **The Future of PICs in Agrifood, Healthcare & Industrial Sensing**

*Presented by Peter van Arkel - PhotonDelta*

12:10 **PIC for Automotive LiDAR**

*Presented by Marcus Dahlem - imec*

12:25 **SiN PICs for Optical Coherence Tomography**

*Presented by Rainer Hainberger - AIT Austrian Institute of Technology GmbH*

12:40 **Industrial Chemical Detection with On-chip Raman Technology**

*Presented by Ivan-Lazar Bundalo - InSpek*

12:55 Lunch Break

### Advancing quantum 2.0 technologies with PICs

14:25 **Advancing Quantum Communications with PICs**

*Presented by Taofiq K. Paraiso - Toshiba Europe Limited*

14:40 **Presentation by Yole Group**

*Presented by Eric Mounier - Yole Group*

14:55 **Modular, Fibre-Interconnected Architectures for Photonic Quantum Computers**

*Presented by Thien-An Nguyen - Orca Computing*

15:10 Closing Remarks

