

Wednesday - 14 May 2025

Quantum
Photonics

ZEIT	Title / Speaker	FORUM
9.50 - 10.00	Opening Speech Michael Kynast // Messe Erfurt - Dr. Gabriel Kittler // CEO XFab	
10.00 - 10.30	KEYNOTE Chip-Scale Quantum Optics: Challenges and Market Potential - Dr. Sebastian Schmitt // Fraunhofer IOF	
10.30 - 11.00	Optimised SOI photonics enable innovation in quantum sensing & data communication - Joni Mellin // x-Fab	Quantum for Instrumentation and Measurement
11.00 - 11.30	Squeezed Light for Quantum Sensing - Dr. Axel Schönbeck // Noisy Labs	Quantum for Instrumentation and Measurement
11.30 - 12.00	Quantum Imaging with CMOS SPAD Arrays - Dr. Massimo Gandola // FBK	Quantum for Instrumentation and Measurement
12.00 - 12.30	Lunchbreak	
12.30 - 13.00	KEYNOTE SQuIRRL – Secure Quantum Infrastructure for Road, Rail and Flight - Prof. Dr. Andreas Polze // Hasso-Plattner-Institute	
13.00 - 13.30	Quantum Technologies for Automotive Applications - Dr. Bernhard Burchard // Elmos Semiconductor SE - Entwicklung	Quantum for Mobility
13.30 - 14.00	Quantum-assisted stacking sequence retrieval and laminated composite design - Arne Wulff // TU Delft	Quantum for Mobility
14.00 - 14.30	Colour centers in diamonds and their use in sensors & quantum computing for mobility - Dr. Mario Bähr // CiS	Quantum for Mobility