

NMLS

NOVEMBER

6-7

2023

PROUDLY PRESENTED BY:



NANO MICRO LITHOGRAPHY SYMPOSIUM

MEET THE COMMUNITY OF EXPERTS IN
LASER, ION, ELECTRON BEAM, AND
THERMAL SCANNING PROBE LITHOGRAPHY.

Monday, 06.11.2023

13:30	Welcome & Introduction	
13:40	Nano- and Microscale devices for integrated photonics and quantum technology.	Dr. Carsten Schuck, Universität Münster
14:05	Coffee Break	
14:35	Future opportunities in nanostructured Photonics	Keynote Speaker Thomas Krauss, University York
15:25	Enabling and perfectioning advanced large Area Metalens Nanofabrication by Electron Beam Lithography (EBL)	Frank Nouvertne, Raith GmbH
15:50	UV- and E-Beam Resists for Photonic Applications	Sebastian Schermer, Fraunhofer-Institute for Electronic Nanosystems (FhG-ENAS)
16:15	Update on Highlights in Resist & Photopolymer Development for UV direct writing and E-beam lithography	Anja Voigt, micro resist technology GmbH
16:40	Permanent Trimming of Large-Scale Photonic Circuits with a Focused Silicon Ion Beam	Akhil Varri, University of Münster
17:05-18:45	Process Clinic in Münster Get first-hand, practical advice from experts in the nano- and micro-fabrication industry.	

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Tuesday, 07.11.2023

09:30	Welcome & Introduction	
09:40	3D bioprinting on the scale of cells and tissues with Quantum X bio	Jochen Zimmer, Nanoscribe
10:05	Functional Perfusion of Human Tissue Models via 3D Soft Microfluidics	Sergei Grebeniuk, KU Leuven
10:30	SEM Metrology and Automation using ProSEM	Sven Bauerdick, GenISys
10:55	Coffee Break	
11:30	High-Resolution Surface Structuring and Device Prototyping using State-of-the-Art Electron Beam Lithography	Keynote Speaker Cenk Yanik, Sabanci Uni. Nanofabrication center
12:20	Fast and accurate large-area patterning of submicron photonic structures with laser direct writing	Viacheslav Vlasenko, Raith GmbH
12:45-14:00	Process Clinic in Münster Get first-hand, practical advice from experts in the nano- and micro-fabrication industry.	