

# NILindustrialday 2025

May 5 and 6, Vienna

## Day 1 – May 5

CEST

09:00	11:00		Setting up of exhibition
11:00	12:30		Arrival of participants / registratiom / exhibition / sandwich lunch
12:30	bmimi, MRT, PROFACTOR		Welcome and opening of the NILindustrialday 2025
Session 1 – Session chair: Jan Stensborg (Stensborg A/S)			
12:40	NILT	Theodor Nielsen	Nano-optics solutions by NIL for consumer electronics applications
13:00	Dispelix	Mikhail Omelyanovich	Durable, ultralight, high-performance AR waveguides
13:20	EVG	Patrick Schuster	Status & Perspectives of Nanoimprint Lithography: Focus on sustainable high-volume manufacturing
13:40	imec	Eleonora Storace	Waveguide displays for Augmented Reality: Enhancing performance through design for manufacturability and advanced lithography
14:00	micro resist technology	Maria Russew	Recent material innovations for sacrificial and non-sacrificial NIL enabling high performance applications
14:20			Coffee break / exhibition

## Session 2 – Session chair: Vincent Einck (Myrias Optics)

15:00	IMS CHIPS	Astrit Shohi	Mastering the Master: Nanopatterning beyond binary features
15:20	PROFACTOR	Michael Mühlberger	Nanoimprinting for polymer-based augmented reality devices
15:40	IBA Heiligenstadt	Marcus Soter	Nanoimprint Lithography for Medical Devices: Using FluidFM and NIL to improve blood-contacting surfaces
16:00	SINTEF	Christopher Dirdal	NIL for scalable MEMS-metasurfaces and SERS sensors with applications within medical and environmental sensing
16:20			Coffee break / exhibition

## Session 3 – Session chair: Pavel Kulha (PROFACTOR)

17:00	Myrias Optics	Vincent Einck	Commercialization of All-Inorganic Direct NIL: Manufacturing and wafer level test
17:20	SCIL Nanoimprint	Erik Peters	SCIL: tools and materials for direct patterning of advanced nano-optics
17:40	Nanoscribe	Jochen Zimmer	Two-Photon Grayscale Lithography (2GL) for masters without stitching seams and tilt-related imperfections
18:00	Snap	Atul Chaudhari	Engineering Functional Materials for Next-Gen AR Optics
18:20			Break
18:40			Departure for social event

Exhibition:



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## Day 2 – May 6

CEST

08:00	08:40		Exhibition / arrival of participants / coffee
08:40	MRT & PROFACTOR		Opening of day 2 of the NILindustrialday 2025
Session 4 – Session chair: Mirko Lohse (MRT)			
08:50	SUSS MicroTec	Amir Sharghi	From AR to Co-Packaging: a vision for integrated optics
09:10	Tokyo University of Science	Jun Taniguchi	Fabrication of NIL mold and application technology using silver ink transfer
09:30	Tekscend Photomasks	Martin Sczyrba	Advanced NIL master manufacturing technologies for XR systems and meta-optics applications
09:50	SAL	Clement Fleury	8-inch NIL master fabrication for metasurfaces and color filter applications
10:10	Germanlitho	Ran Ji	Introduction to NIL industrial applications and market trends
10:30	Joanneum Research	Daniel Borstner	Functional structures in microfluidics devices fabricated by Roll-to-Roll UV-nanoimprint lithography
10:50			Coffee break / exhibition
Session 5 – Session chair: Thomas Achleitner (EVG)			
11:30	Scia systems	Tabea Albert	Precision Fabrication of SRG: The role of ion beam processing in AR technology
11:50	UpNano	Markus Lunzer	Adaptive Resolution 2-Photon Lithography for highly-defined large-area NIL masters
12:10	Morphotonics	Bram Titulaer	Advancements in mass production of nano and micron structured surfaces using large-area NIL
12:30	Heidelberg Instruments	Julia Stark	NanoFrazor thermal scanning probe lithography: Nanometer precise grayscale patterning for NIL master templates
12:50	Himax IGI	Glen de Villafranca	High Volume Wafer Scale Optics: From mastering to mass production
13:10	MRT & PROFACTOR		Final announcements
13:20			Lunch / networking
14:30			End of exhibition and of NILindustrialday 2025

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