

Raith Expert Workshop and Skill Day

Agenda

Date and Time: December, 7-8 2022 – 12:00
Venue: Radisson Blue Hotel
An der Buschmühle 1,
44139 Dortmund, Germany
An online access will be distributed to registered participants

Day 1
December
7, 2022

12:00 – 13:30	Check-in, get together and light lunch
13:30 – 13:45	Welcome note (start online broadcasting) Benjamin Oevermann / Wilfried Menzel, Raith GmbH, Dortmund
13:45 – 14:45	Atomic layer deposition as an enabling nanotechnology (and how it can contribute to lithography) Prof. W.M.N. (Erwin) Kessels, Dept Applied Physics, Eindhoven University of Technology, NL
14:45 – 15:00	Global update Raith Group Benjamin Oevermann, Raith GmbH, Dortmund
15:00 – 15:30	Coffee break
15:30 – 16:00	News from Raith process technology team: new suppliers for HSQ resist – experience at Raith Nicolas Kunzfeld, Raith GmbH, Dortmund
16:00 – 16:30	Metrology and process control of EBL results Guido Piaszenski, Raith GmbH, Dortmund
16:30 – 17:00	Upgrading an eLINE Plus for the next level of deterministic in-situ EBL and low-temperature cathodoluminescence spectroscopy in the age of optical quantum technologies Sven Rodt, Technical University Berlin (online)
17:00 – 17:45	Fabrication strategies: how we match tools and techniques to a sample design Mario Hentschel, 4. Physikalisches Institut, Stuttgart University
17:45 – 18:00	EBPG for GaAs diode laser fabrication Sammeta Poojitha, Ferdinand Braun Institute, Berlin – (end online broadcasting)
18:00 – 19:30	Break – refresh, or drinks at the bar (Raith experts will be on site and available for consultations)
19:30	Dinner

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Day 2
December
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Beams Group (EBPG)

9:00 – 10:00	Software Update Bas Ketelaars, Thomas Verduin, Raith
10:00 – 10:30	Beamer news for EBPG Thomas Michels, GenISys
10:30 – 11:00	EBPG Tutorial: Chirped Grating Vikram Passi, Raith
11:00 – 11:30	Break
11:30 – 11:45	Service / Support news Bert Maes, Raith
11:45 – 12:30	Firebird Christiaan Zonneville, Raith (online)
12:30 – 13:00	Using Beamer Python module for AR/VR applications; Algorithmic metalense patterning with high throughput and high precision Janine Wilbers, Raith
13:00 – 13:30	Automated metrology with Chipscanner: Quantum Computer fabrication control and EBPG beam delay optimization - More Coffee, Less Hours in Front of a Microscope Marcus Rommel, Chalmers University of Technology
13:30 – 14:00	Both groups: Feedback & suggestions for next meetings agenda, Set date next meeting
14:00 – 15:00	Lunch (registration required)

User contribution format: please submit up to half page of problem description and solution or what was tried to

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Nanosuite Group (VOYAGER, eLINE Plus...)

09:00 – 09:05	Welcome
9:05 – 9:30	Nanosuite latest release news, upgrade paths Martin Rasche, Raith
09:35 – 10:00	Automation of DFB laser fabrication using Periodixx Jana Münchenberger, Raith
10:05 – 10:30	Algorithmic patterning - pushing accuracy and throughput Christopher Aulbach, Raith
10:35 – 11:00	Service / support news Achim Vaut and Thomas Kleinfeld, Raith
11:00 – 11:30	Break
11:30 – 12:00	The next generation FIB source: GaBiLi ions for nanofabrication and ion microscopy Torsten Richter, Raith
12:00 – 12:30	Tutorial ErgoFlow Kevin Burcham, Raith America (online)
12:30 – 13:30	Open Forum
13:30 – 14:00	Both groups: Feedback & suggestions for next meetings agenda, Set date next meeting
14:00 – 15:00	Lunch (registration required)

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