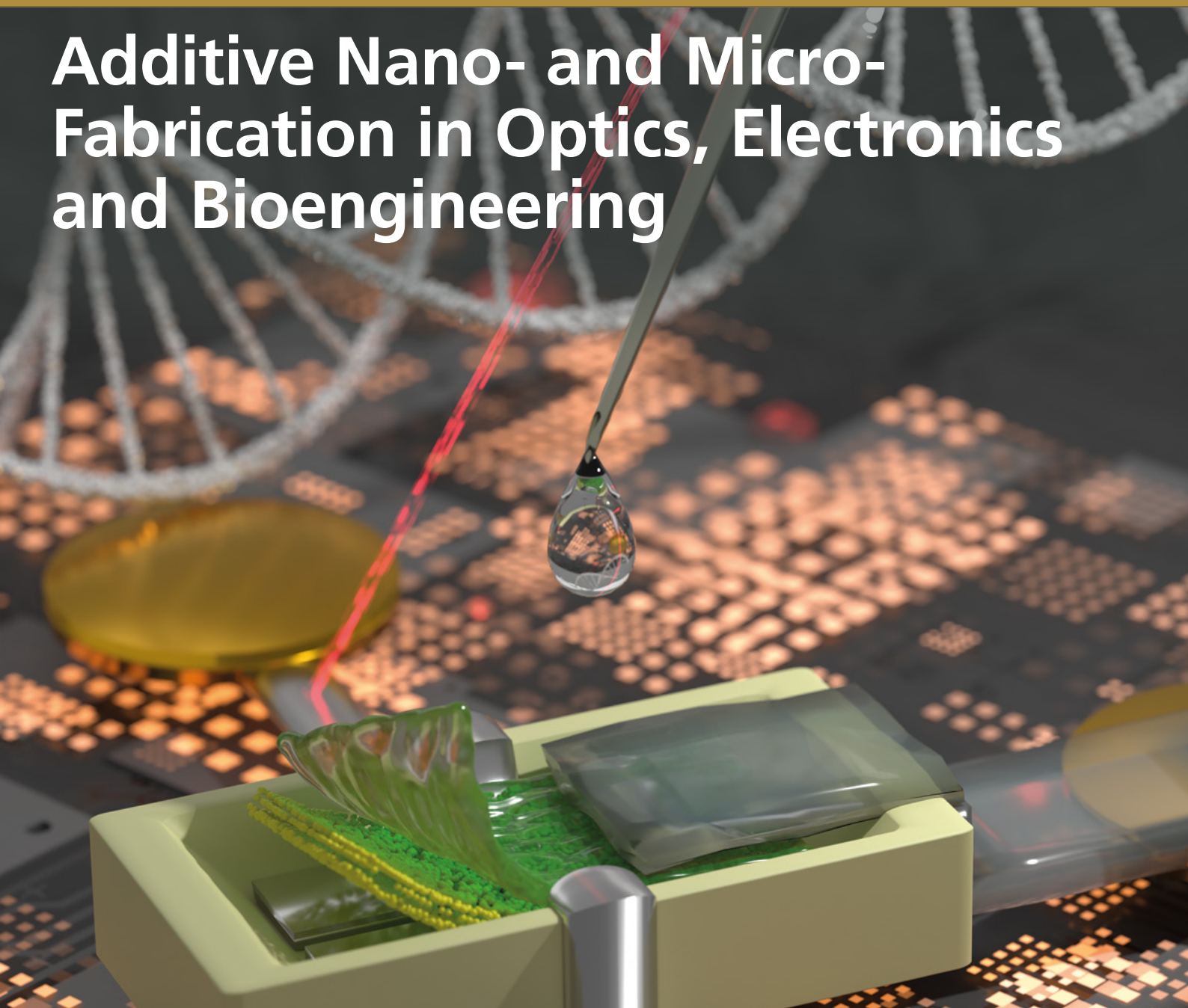


Additive Nano- and Micro-Fabrication in Optics, Electronics and Bioengineering



PROGRAM

March 23 – 27, 2025 | Schöntal Monastery, Germany

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4:00 PM	Check-In	S U N D A Y
6:00 PM–8:00 PM	Dinner at Individual Time	MARCH 23
8:00 PM	Informal Get-Together	
	Breakfast	M O N D A Y
9:00 AM–9:05 AM	Opening & Welcome	
9:05 AM–9:45 AM	Integration of Scalable Photonic Neural Networks Using 3D Additive Fabrication	Daniel Brunner
9:45 AM–10:25 AM	Conductivity Switching in Molecular Ferroelectrics: A New Route to Neuromorphic Memory?	Martijn Kemerink
10:25 AM–10:40 AM	Coffee Break	
10:40 AM–10:55 AM	Contributed Talk: Light-Relay Materials for Spatiotemporal Remote Photoswitching and Hydrogel Actuation	Diego Ciardi
10:55 AM–11:10 AM	Industry Talk: BIO INX	Jasper Van Hoorick
11:10 AM–11:50 AM	Self-Healing, Stretchable and Recyclable Electronics	Fabio Cicoira
11:50 AM–12:00 AM	Group Picture	
12:00 PM–1:30 PM	Lunch	
1:30 PM–2:10 PM	Integrating 2D Materials in Silicon Microchips	Mario Lanza
2:10 PM–3:00 PM	Tailoring Carbon-Based Materials via Additive Nano- and Micro-Fabrication	Ruth Schwaiger
3:00 PM–3:20 PM	Coffee Break	
3:20 PM–4:00 PM	Polymeric Mixed Conductors for Bioelectronic Devices	Sahika Inal
4:00 PM–4:40 PM	Sorted and Functionalized Semiconducting Carbon Nanotubes for Optoelectronics	Jana Zaumseil
4:40 PM–5:00 PM	Coffee Break	
5:00 PM–5:10 PM	Flashtalks	MARCH 24
5:10 PM–7:00 PM	Poster Session I	
7:00 PM	Dinner	

		T U E S D A Y
	Breakfast	
9:00 AM	Welcome	
9:00 AM–9:40 AM	Engineering iPSCs to Model Amyotrophic Lateral Sclerosis	Akshay Bhinge
9:40 AM–10:20 AM	Hybrid Synaptic Contacts Between Neurons and Functionalized Structured Surfaces	Jürgen Klingauf
10:20 AM–10:35 AM	Coffee Break	
10:35 AM–11:15 AM	Recapitulating Human Brain Development in a Dish to Understand Disease	Simone Mayer
11:15 AM–11:55 AM	Molecular Switches that Learn and Emulate Synaptic Behavior	Christian Nijhuis
11:55 AM–12:35 PM	Hydrogels in Microsystems: From Glucose Sensors to Neural Implants	Simon Binder
12:35 PM–2:00 PM	Lunch	
2:00 PM–2:40 PM	Volume Electron Microscopy for the Synaptic-Resolution Reconstruction of Neuronal Circuits	Gaspar Jékely
2:40 PM–3:20 PM	Model-based Thermoviscous Flow Robotics for High-Definition Microassembly	Moritz Kreysing
3:20 PM–3:35 PM	Coffee Break	
3:35 PM–4:15 PM	Biopolymers for Unconventional and Sustainable Electronics	Luisa Petti
4:15 PM–4:55 PM	Inverse Design of 3D-Printed Photonic Devices	Carsten Rockstuhl
4:55 PM–5:15 PM	Coffee Break	
5:15 PM–5:25 PM	Flashtalks	MARCH 25
5:25 PM–7:00 PM	Poster Session II	
7:00 PM	Dinner	

		W E D N E S D A Y
	Breakfast	
9:00 AM	Welcome	
9:00 AM–9:40 AM	3D Printed Complex Microoptics: Fundamentals and First Applications	Harald Gießen
9:40 AM–10:20 AM	Functional Nano-Imprint Lithography for Optics, Bio and Electronics	Marc Verschuuren & Rob Voorkamp
10:20 AM–10:35 AM	Coffee Break	
10:35 AM–11:15 AM	High-Quality Glass Micro- & Nanostructures by Two-Photon Grayscale Lithography (2GL®)	Jens Bauer
11:15 AM–11:30 AM	Contributed Talk: Soft and Stiff 3D Microstructures by Step-Growth Photopolymerization Using a Single Photoresin and Multi-Photon Laser Printing	Florian Feist
11:30 AM–11:45 AM	Contributed Talk: High-Efficiency Metagrating for Oblique Plane Microscopy	Maryna Meretska
11:45 AM–12:00 PM	Contributed Talk: 3D Multiphoton Nanolithography of Biomaterials	Dmitry Sivun
12:00 PM–1:30 PM	Lunch	
1:45 PM–2:00 PM	Meet for Social Program	MARCH 26
2:00 PM–6:00 PM	Social Program	
7:00 PM	Conference Dinner & Poster Award	

T H U R S D A Y	Check-Out, Breakfast , Departure	MARCH 27
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3D Matter Made to Order (3DMM2O)

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