

## Tentative Program GREEN PHOTONICS Workshop (hybrid)

*Italic: online participation; \*possibly also in person*

Day 1	Action Item / Speaker	Presentation
9:00-9:30	Badge Pick Up / Registration	
9.30 - 09:45	Andreas Tünnermann (Fraunhofer IOF)	Opening Remarks
9:45 - 10:25	Stefan Träger (Jenoptik AG)	<b>Keynote:</b> Title tbd
10:25 - 11:05	Michael Kissner (Akhnetonics)	Integrating Nonlinear Photonic Materials for Optical Computing
11:05 - 11:35	<i>Yating Wan (KAUST)</i>	<i>On-Chip Lasers in Silicon Photonics: Pathways to Integration and Applications</i>
11:35 - 12:05	Mario Chemnitz (Friedrich-Schiller University)	Towards sustainable AI with nonlinear optical wave dynamics for brain-inspired computing
12:05 - 12:50	Networking Lunch Break	
12:50 - 14:15	Fraunhofer IOF Tour	Exploring the Future: Photonics Touring
14:15 - 14:45	N.N.	Tbd (blocked)
14:45 - 15:15	N.N.	Tbd (blocked)
15:15 - 15:40	Networking Break "Coffee2Talk"	
15:40 - 16:10	<i>Sandeep Razdan (Cisco)</i>	<i>Silicon photonic packaging and its integration for Tbps optical interconnects</i>
<b>16:10 - 16:50</b>	<i>Bernard Kress (Google)*</i>	<b>Keynote:</b> <i>Optics and Photonics as Key Enabling Technology for a Sustainable Future</i>
16:50 - 16:55	Closing Remarks Day 1	
Day 2	Action Item / Speaker	Presentation
<b>9:00 - 9:40</b>	Paul Hartmann (Joanneum Research)	<b>Keynote:</b> Green Photonics and Photonics for Green: recent progress in Austria
9:40 - 10:10	Yolanda Stabel (Innocise GmbH)	Green Gripping – High Precision Manipulation for Photonic Applications
10:10 - 10:40	Frank Wippermann (mcd GmbH/Fabulens GmbH)	Scalable and energy-saving manufacturing approach for monolithic polymer components
10:40 - 11:10	Networking Break "Coffee2Talk"	
11:10 - 11:40	Estefania Cervantes, Oliver Faehnle, Jens Bliedtner (Edmund Optics® Europe, Eastern Switzerland University of Applied Sciences, PanDao GmbH, EAH University of Applied Sciences)	Achieving Sustainable Practices in Optics Design and Manufacturing
11:40 - 12:10	Beate Hager (Jabil Optics Germany)	Sustainability requirements in optical industry - challenges or opportunities?
12:10 - 12:55	Networking Lunch Break	
12:55 - 13:25	Antonia Schmalz (SPRIND GmbH)	Technical and commercial challenges for optical components in fusion power plants
13:25 - 14:05	Oliver Haupt (Coherent Laser Systems GmbH & CO KG)	<b>Keynote:</b> UV-Lasers for Green Energy and Display Applications
14:05 - 14:45	<b>Panel Discussion (Moderator: Olga Raz, OPTICA) – Panelists will be presented soon!</b>	
14:45 - 15:05	Networking Break "Coffee2Talk"	
15:05 - 15:35	Erik Beckert (Fraunhofer IOF)	Artificial Intelligence enhanced, energy efficient and sustainable growth of laser crystals
15:35 - 16:05	Falk Eilenberger (Fraunhofer IOF)	Nanophotonic Components as Enablers for Astronomy and Climate Science

16:05 - 16:45	Henry Helvajian (Aerospace Corp.)	<b>Keynote:</b> Photonics Technologies can Facilitate the Development of a Sustainable Eco-System in Outer Space
16:45 - 16:50	Closing Remarks Day 2	
<b>Day 3</b>	<b>Action Item / Speaker</b>	<b>Presentation</b>
9:00 - 9:30	Johannes Verst (QBN)	Quantum Technologies' Impact on a Sustainable and United Future
9:30 - 10:00	N.N.	tbd (blocked)
10:30 - 11:00	Tobias Schröter (Fluidect)	From photonics to sustainable industrial applications: the example of biosensors
11:00 - 11:30	Networking Break "Coffee2Talk"	
11:30 - 11:50	Miro Taphanel (Gixel)	Augmented reality: the invisible environmental impact of smart and immersive eyewear technology (contributed)
11:50 - 12:10	Joachim Hansen (Kubus Group)	Planning 4.0 – interfaces for the digital building (contributed)
12:10 - 12:40	Alexander Kostenko (Photosynthetic)	Title tbd
12:40 - 13:25	Networking Lunch Break	
13:25 - 13:55	<i>Mangirdas Malinauskas (University Lithuania)</i>	<i>Non-photosensitized plant-based resins for green multi-photon 3D lithography</i>
13:55 - 14:25	Jens Gottmann (Lightfab GmbH)	3D High precision glass structuring by SLE and internal glass modification/welding for industrial applications
14:25 - 14:55	Martin Hermatschweiler (Nanoscribe GmbH)	Additive manufacturing of microoptics for a sustainable photonics industry
15:45 - 16:45	Envibio (blocked)	Title tbd
14:55 – 15:10	Closing Remarks Day 3	
	End of Workshop	