

Photonic processes for multi-scale smart product functionalities

Lugano, November 8, 2024

Christian Bosshard, Managing Director Swissphotonics

SUPSI

SWISS PHOTONICS

SWISS PHOTONICS : Mission



Swissphotronics Events

Fri, 08.11.2024	Swiss Photonic General Assembly 2024 Members only
Fri, 08.11.2024	Photonic processes for multiscale smart product fabrication, Lugano
Tue, 19.11.2024	Lunch Chat: European Space Deep-tech Innovation Centre ESDI - accelerating deep-tech online
Tue, 26.11.2024	Lunch Chat: Perovskite PV Technology - on the verge to commercialization, online
Tue, 03.12.2024	Lunch Chat: A versatile beam-folding approach for laser spectroscopy, online

Mon, 01.11. - Tue, 05.11.2024	EPIC Events 2024, Europe and beyond
Fri, 01.11. - Tue, 31.12.2024	Innovation Booster Photonics Events 2024
Thu, 14.11. - Fri, 15.11.2024	Innovate UK to visit Switzerland, Zürich
Tue, 26.11.2024	COMSOL Day: Optics & Photonics, Online
Mon, 23.06. - Thu, 26.06.2025	Lasers in Manufacturing (LIM) 2025, Munich
Tue, 24.06. - Fri, 27.06.2025	Swiss Pavilion at the LASER World of Photonics 2025, Munich

More:

- ▶ Upcoming Partner Events/Calls
- ▶ Past Partner Events/Calls
- ▶ Photonics Event Calendars

Mission:
Improve competitiveness of our members by strengthening the innovation forces to secure and grow industrial workplaces

>200
members

Swissphotonics network stands for

- Networking, interactive workshops, breaks, apero riche for personal matchmaking
- Successful matchmaking between industry needs and academia efforts, working the value chain from idea to market
- Active participation in EU projects, Phorwards21, Carla 360 and PhotonHub Europe
- Strong worldwide international network
- > 200 members and increasing (2/3 SMEs) supporting initiatives of its members



SPIE.

OPTICA

International Optoelectronics Association

Photonic processes for multi-scale smart product functionalities

Time	Program	Speaker
13:00	Registration, welcome coffee	
13:30	Welcome / Introduction to workshop	Federico Mazzucato, SUPSI and Christian Bosshard, Swissphotonics
13:45	Introduction SUPSI / Labtour	Federico Mazzucato, SUPSI
14:15	Market Report	Arnold Mayer, Optech Consulting
14:30	Ultrafast laser-processing and process monitoring using higher harmonics	Lisa Ackermann, EPFL Galatea Lab
14:45	Development of femtosecond laser micromachining processes for industrial applications	Federico Bassi, Kirana
15:00	Exploring Ultrafast Laser Ablation as a scalable solution for surface modification of Ti6Al4V orthopaedic implants	Anneke Katharina Orlandini, SUPSI
15:15	Panel discussion / Q&A session I	
15:35	Networking break	
16:10	Design and Manufacturing of Glass Miniaturized Optical Systems for Compact Fiber-to-chip Connectivity	Davide Farina, Femtoprint
16:25	Super Short or Super Small: Exploring the Limits of Laser Micromachining with Industrial Grade Systems	Beat Neuenschwander, BHF
16:40	Hybrid VIS-NIR combiners for industrial and Aerospace Applications	Sabina Zaimovic, Alite
16:55	Sub-ns laser integrated system for high precision microprocessing	Carlo Di Marco, Bright Systems
17:10	Panel discussion / Q&A session II	
17:30	Networking Apéro	
19:00	End	