

SWISS PHOTONICS : Mission

Events & News

Swiss

Funding

Photonics21

Support

Jobs

Out

Swissphotonics Events

Tue, 06.06.2023

[Lunch Chat: Laser lightning rod, online](#)

Thu, 08.06.2023

[Photonics 4 Masterpieces, Geneva, Palexpo at EPHJ](#)

Fri, 09.06.2023

[Swissphotonics-EPHJ roundtable on laser technologies, Palexpo Geneva](#)

Tue, 13.06.2023

[Lunch Chat: Micro Optics in Packaging Assembly, online](#)

Tue, 20.06.2023

[Lunch Chat: Labraces - constant digital pathology, online](#)

Tue, 27.06.2023

[Lunch Chat: cancelled Laser World of Photonics in Munich, online](#)

Wed, 28.06.2023

[Swissphotonics at Laser World of Photonics, Munich](#)

Tue, 12.09.2023

[Robotics and Automation, Save the date,](#)

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

Partner Events/Calls

Sun, 01.06.2023 - Sun, 31.12.2023

[EPHJ Events 2023, Europe and beyond](#)

Fri, 15.06. - Fri, 16.06.2023

[Swiss NanoCenter 2023, Neuchatel](#)

Mon, 26.06. - Fri, 29.06.2023

[Forum on Lasers in Manufacturing \(FLM\), Munich](#)

More:

[Upcoming Partner Events/Calls](#)

[Past Partner Events/Calls](#)

[▶ Photonics Event Calendars](#)

Swissphotonics is a network:

- Networking, interactive workshops, breaks, apero riche for personal matchmaking
- Improve competitiveness of our members by strengthening the innovation forces to secure and grow industrial workplaces
- Successful matchmaking between industry needs and academia efforts, working the value chain from idea to market
- Active participation in EU projects, BestPhorm21, Carla and PhotonHub Europe
- No full time staff: 3*20% + volunteer (Professors, CTOs, project leaders)
- 200 members and increasing (2/3 SMEs) supporting initiatives of its members
- Strong worldwide international network



SPIE.

OPTICA

International Optoelectronics Association

200+ members in high tech photonics

<https://www.swissphotonics.net/about/list-of-members>

List of Members

- 4K-MEMS
- Alphonics GmbH
- ABO Switzerland AG
- Albur GmbH
- AclouTech AG
- Agathon AG
- AIXEMTEC GmbH
- Alpes Laser SA
- ama AG
- Analog Photonics
- Andritz Sotrac AG
- Anya Switzerland GmbH
- APiI Technica AG
- Aeschauer, Dr. Thomas
- Avantis SA
- Avantis AG
- Bächli, Dr. Andreas
- Badt, Mike
- BASF - The Chemical Company
- BCI Group
- Bobet Mex SA
- Boegli-Gravures SA
- Boshard, Dr. Christian
- Bovard AG/SA
- Bruner, Andreas
- Brunner, Dr. Marcus
- BLAS-HuCE optoLab
- BLAS Research area Applied Fiber Technology AFT
- BLAS Research area Laser Surface Engineering
- Bühler AG, Laybold Optics
- Bürki, Fabian
- Burn, Dr. Andreas
- Bystronic Laser AG
- CADTRON (Sulzer) AG
- Cades AG
- Cargotec GmbH
- CROGA SA
- Class 4 Laser Professionals AG
- CoasChecker GmbH
- Coasmaer AG
- Hüglar Bimetal SA
- Huhn, Marvin
- Lasea Switzerland SA
- Lasotronic AG
- Lentilac GmbH
- Lettler Technologies AG
- L.E.S.S. SA
- Ljgnetec SA
- Ilno Blotach AG
- Loepfle Brothers Ltd.
- Logibech Europe SA
- Lumentum Switzerland AG
- Lumibird
- Lumiphase AG
- Lyndis Tec SA
- Magic Leap
- Mass, Dr. Peter
- Materlon Balzers Optics
- Medtronic Europe Sàrl
- Meehr Photonics AG
- Meridian AG
- Mesozonic Messtechnik AG
- Mettler-Toledo AG
- Micror Systems Sàrl
- Mikroop AG
- Milvus Investment Partners AG
- Miraex SA
- Monfort Laser GmbH
- Morphonix Sàrl
- Müller, Beni
- Nanoga SA
- NCCO MUST
- NLT Switzerland GmbH
- NKT Photonics Switzerland GmbH
- NTN Innovation Booster Additive Manufacturing IBAM
- Ormlens SA
- Optical Consulting GmbH
- Optron Laser International
- Optonux AG
- Osowald, Marc
- Coherent Switzerland AG
- Computer Controls AG
- COMSOL Multiphysics GmbH
- Coric, Dr. Dragan
- CFAutomation SA
- CSGM AG, Alpnach
- CSGM AG, Muttenz
- Dornbryer Graphics AG
- de Cornbaud, Benoît
- de Lima, Dr. Wilson
- Delbergh, Patrick
- Deepights SA
- Deschannes, Dr. Nicolas
- Diamond SA
- Dracogroup SA
- Edmund Optics GmbH
- EMC Electronic Media Communication SA
- Ermpa
- EPFL, Advanced NEMS Laboratory
- EPFL, Advanced semiconductors for photonics and electronics Lab
- LASPS
- EPFL, Biophotonic Systems Laboratory BIOS
- EPFL, Group for Fibre Optics GFO
- EPFL, Laboratory of Applied Photonics Devices LAPD
- EPFL, Laboratory of Nanoscale Electronics and Structures LANES
- EPFL, Laboratory of Photonics and Quantum Measurements LPQM, N-Lab
- EPFL, Lab of Photonic Materials and Fibre Devices FIB&P
- EPFL, Laboratory of Quantum Optoelectronics LOQ
- EPFL, Laboratory of Physics of Nanostructures LPN
- EPFL, Laboratory for Thermomechanical Metallurgy LTM
- EPFL, Photonics Micro- and Nanosystems Research Group Q-LAB
- EPFL, Doctoral Program in Photonics IDPG
- ESP-Engineering GmbH
- Egress Photonics AG
- ETH, Institute of Electromagnetic Fields IEF
- ETH, Institut für Quantum Electronics IQE
- ETH, Institute of Machine Tools and Manufacturing IWM
- ETH, Photonics Laboratory
- OCT Ostschweizer Fachhochschule
- Oujfert, Dr. Salah
- Pandao GmbH
- Parosc Medical Laser (Parosc Engineering AG)
- Park Innovare
- Paul Scherrer Institut PSI
- PHABULOUS Fiber Line Association
- Photonfocus AG
- Polariton Technologies AG
- Pi Lighting Sàrl
- Pi Switzerland AG
- Pfeiffer, Martin
- Preactor Vision GmbH
- Prospective Instruments GmbH
- Quamt AG
- Quantum Ventures SA
- Ragerz Seifeuchungskörper AG
- Reichle & De-Massari AG, R&M
- Rey, Dr. Antje
- RP Photonics
- RhySearch, Gas Forschungs- und Innovationszentrum Rheinfal
- Rolic Technologies Ltd.
- Rysler, Dr. Manuel
- Safran Vectronix AG
- Salathé, Prof. Dr. Dr. René
- Saris SA
- Schmidler, Andreas
- Schmid, Matthias
- Schneberger AG Linearaschvik
- Schneider, Urs
- Schneider, Sandro M.D.L.
- Schryder SA
- Schukmann, Uwe
- Schub-Hennig, Dr. Jörg
- Seifar AG
- Senaflex AG
- Senoptic SA
- Serchio Microtechnology Ltd.
- SHalver, Dr. Volery
- ETH, Ultrafast Laser Physics ULP
- Sironi, Dr. Dr. Dominik
- Sulfha AG
- Suresc AG
- Swag AG
- Sxalos AG
- TACHON, Dr. Massimo
- Fachhochschule Graubünden FHO
- Fachhochschule Nordwestschweiz FHNW
- FaerwAG SA
- FEMTOOptics SA
- FIGMA AG
- Fluck, Dr. Daniel
- Fluxin AG
- Forq&Bat, Dr. Pierre-Yves
- Franke Industrie AG
- GB Microfab SA
- GE Machining Solutions SA
- Gradini, Amor Hassan
- GEP SA
- Haag-Streit Holding
- Hamamatsu Photonics
- Hoo, Dr. Yong
- Harder, Dr. Christoph E.
- Haute Ecole Arc Ingénierie
- Haute Ecole d'Ingénierie et de Gestion du Canton de Vaud HEG-VD
- Helix, Dr. Thomas
- Hebling Technix Bern AG
- Helvetic AG
- Hella Pange
- HighTech Zentrum Aargau AG
- Hoffmann, Dr. Rita
- Hoffmann, Dr. Daniel
- HGL U Hochschule Luzern Technik & Architektur
- Hsu, Neville
- Huber-Vidner AG
- IBM Research GmbH
- ID Quantique SA
- Ivi Laser Enterprise GmbH
- IFF Medien und Telegonen AG
- Insight SA
- Insigne AG
- Insigne GmbH
- Jaegerwet, Dr. François
- Knap, Werner
- Knapka, Dr. Ute-Christine
- Kugel, Prof. Dr. Martin
- Kugel, Werner
- Köchrig, Dr. Jürgen
- Scleronic SA
- SEM Schärer Schweizer Member AG
- Stanley, Dr. Ross
- Starker, Ulrich
- SLPS-ISAC
- SLPS-ISA
- SLIS Micro-Optics SA
- Solitec AG
- Swiss Society of Optics and Microscopy SSOm
- Synova AG
- Tarlox Ventures GmbH
- TICProcess
- Telec Systems AG
- Tempus, Martin
- Tenchio, Dr. Georges
- The Swatch Group R&D Ltd.
- Thin Film Physics AG
- Timpal, Dr. Florent
- TUM&F Schweiz AG
- TU Wien
- Umicore Thin Film Products AG
- Urochirurgisches SA
- University of Basel, Department of Biomedical Engineering
- Universität Bern, Institut für angewandte Physik IAP
- Universität Bern, Microscopy Imaging Center MIC
- Université de Genève, GAF, Biophotonics Group
- Université de Neuchâtel, Institut de physique
- University of Fribourg, Adolphe Merkle Institute
- UVX Arbeitsschutz (Schweiz) AG
- Vario-optics AG
- Volpi AG
- Weyl AG
- WGL, Dr. Martin
- WDM Optix AG
- Xenix AG
- Zellweger, Dr. Christoph
- zhuw, Institute of Applied Mathematics and Physics IAMP
- zhuw, Institute of Computational Physics ICP
- Zürcher, Stephan

Join our **SWISS PHOTONICS** workshops



Past events:

- 07.11.22: Microoptics: Neuchatel
- 17.11.22: Careers in Photonics, Lausanne
- 01.02.23: Apero at Photonics West, San Francisco
- 28.02.23: Specialty Optical Fibers, Biel
- 27.04.23: Neuromorphic Photonics, EPFL

Future events:

- 08.06.23: Photonics for Masterpieces, Geneva
- 09.06.23: Fusion of Technologies, Geneva
- 28.6.23: Apero at Laser World of Photonics, Munich
- 12.09.23: Robotics and Photonics: Chur

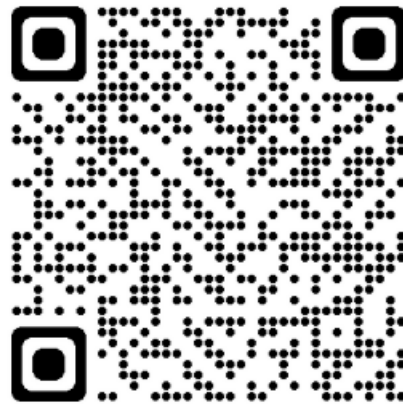
Recent Swiss photonics support actions

- Photonics Switzerland Brochure
 - Highlights the strength of Switzerland CH in photonics.
 - Is vivid and cutting-edge
 - Details the Swiss photonics activities and Swiss companies across the world
 - Promotes the Swiss photonics activities in Switzerland, Europe and worldwide.





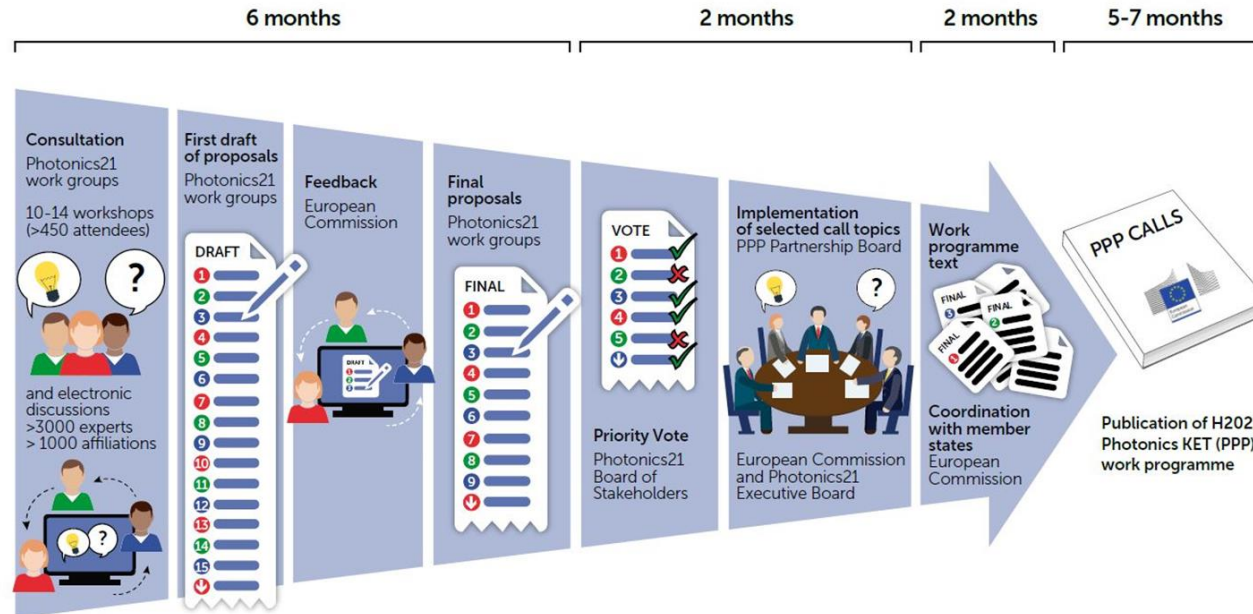
PHOTONICS²¹



Europe: Photonics21 (network, paid by SBFI)

Horizon 2020 Photonics PPP calls

Research & Innovation Priority Process



	2025–2027	2028–2030
Photonics Research (R) Challenges, TRL up to 5	<ul style="list-style-type: none"> Sub-systems based on emerging PIC platforms with hybrid and heterogeneous integration of various materials and components, allowing operation in the MWIR to UV range, for applications in atomic clocks, communications, CBRN detection to quantification, quantum and bio-sensors Development of efficient, high-bandwidth, low-noise single-photon detectors in the near- and mid-infrared range Low-noise lasers for quantum technologies 2D arrays of single-photon avalanche detectors (SPADs) New approaches incorporating digital 	<ul style="list-style-type: none"> Sub-systems based on PIC platforms with monolithic and heterogeneous integration of materials and components Quantum PIC chips (QPIC) 2D SPAD arrays with embedded processing High power 2D phased-array semi-conductor lasers
Photonics Innovation (I) Challenges, TRL starting from 5	<ul style="list-style-type: none"> Assembly of different technology photonic building blocks by 3D integration, on optical/electrical interposer, co-packaged or connected by passive waveguides or fibre routing systems Micro-optical technologies (including meta-surfaces, diffractive optics, micro-lenses, filters, polarizers), eventually at the wafer-level Photonic technologies for satellite constellations: space tolerant sensors for positioning, navigation and timing (PNT), inter-satellite distance measurements Free-space telecom systems for the Quantum Secured Network (QSN), based on novel photonic components SWAP-C innovative sensors for long range situational awareness, ISR⁴⁶, 3D imaging and chemical sensing (CBRN) High power eye-safe laser developments for emerging threat countermeasures, including dazzling, jamming and neutralizing capabilities Sensors protection against laser radiations Growth of crucial III-V and oxide materials for photonics and exploration of advanced processing techniques 	<ul style="list-style-type: none"> Demonstration of fused optics/electronics imaging systems 3D stacking of sensors and photonics AI chips. Miniaturized PNT sensors including quantum-based sensors for Quantum Information Network (QIN) Miniaturized long range sensors exploiting quantum technologies SWAP-C eye-safe high power laser effector systems Large size III-V substrates and epitaxial wafers Space hardened very high data rates transceivers (DP-QPSK)



PhotonHub Europe[®]

PHOTONICS INNOVATION HUB FOR EUROPE



PHOTONICS²¹

PHOTONICS PUBLIC PRIVATE PARTNERSHIP



**PhotonHub
Europe®**

PHOTONICS INNOVATION HUB
FOR EUROPE



Small and Medium Enterprise

Budget: 19 M EUR

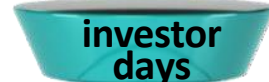
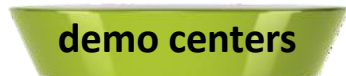
Start: 1 Jan 2021



Deep Technology Support

Business and Financial Coaching

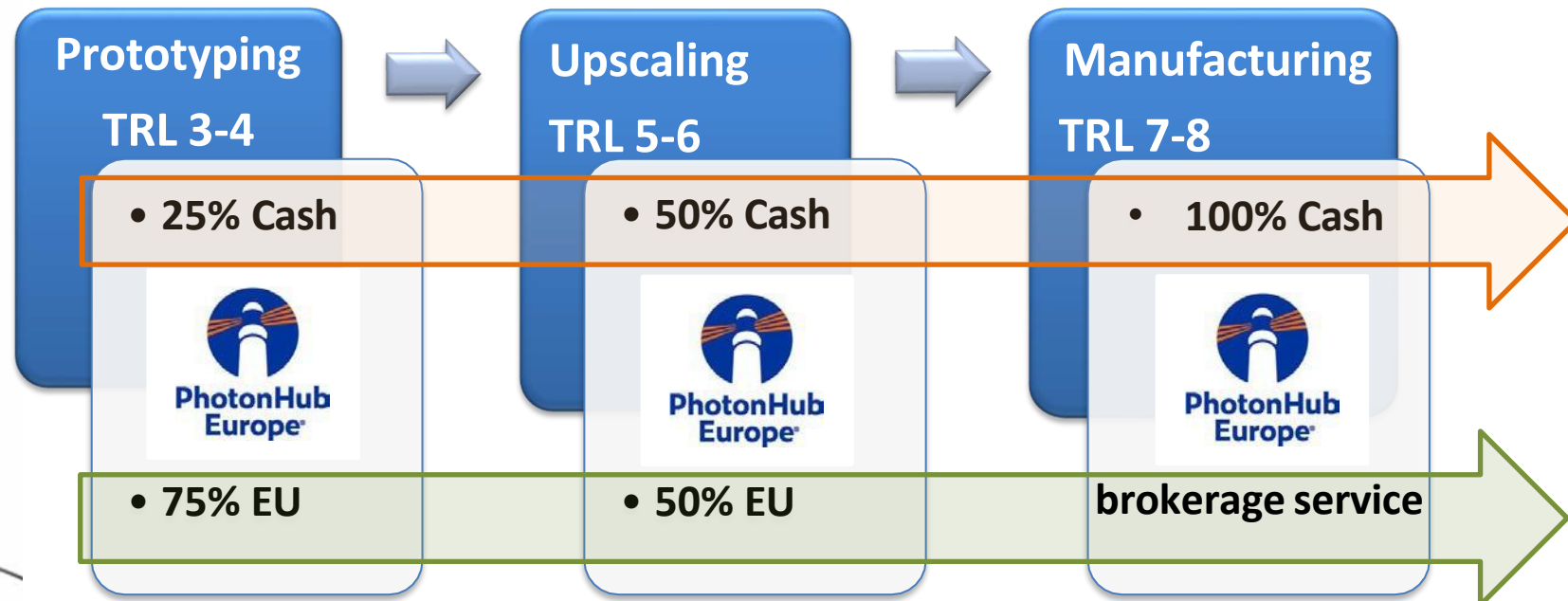
Training



Focus on Deep Innovation Support to European Companies SMEs and LSC, from TRL 3 to TRL 8



**Projects are subsidized
only when Cross-Border**



200
members

**Strengthening
the innovation
forces to secure
and grow
workplaces through:**

- Networking and interactive workshops
- Matchmaking between academia strengths and industry needs
- Active participation in EU projects
 - > BestPhorm21
 - > Carla
 - > Photonhub Europe
 - > Horizon Europe programs

**Working value chain
from idea to market**



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