

SWISS PHOTONICS

csem

Machine Learning Workshop

Christian Bosshard


Neuchatel

February 4, 2016



In cooperation with the CTI

 **KTT-Support**
National thematic networks

 Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Commission for Technology and Innovation CTI

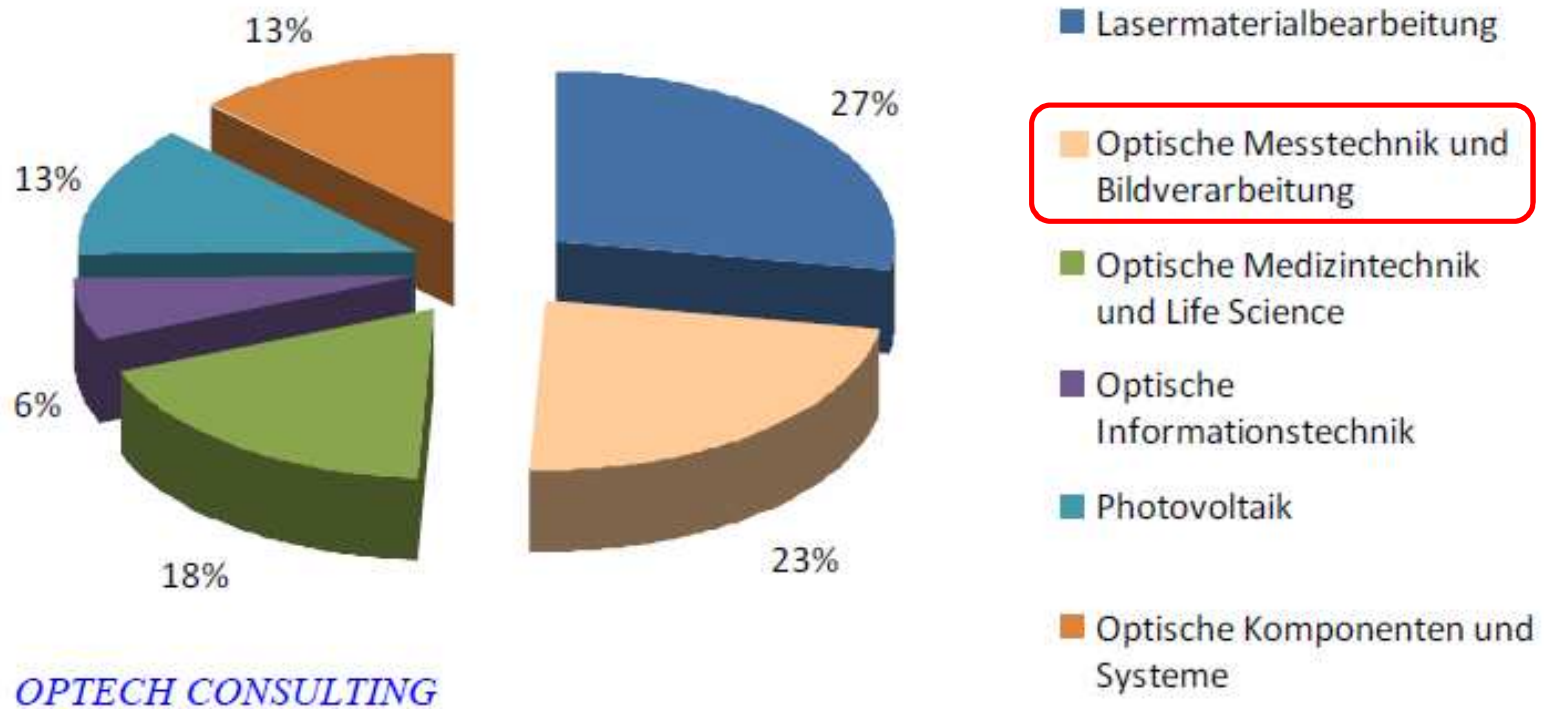
SWISS PHOTONICS

Photonics as key enabler

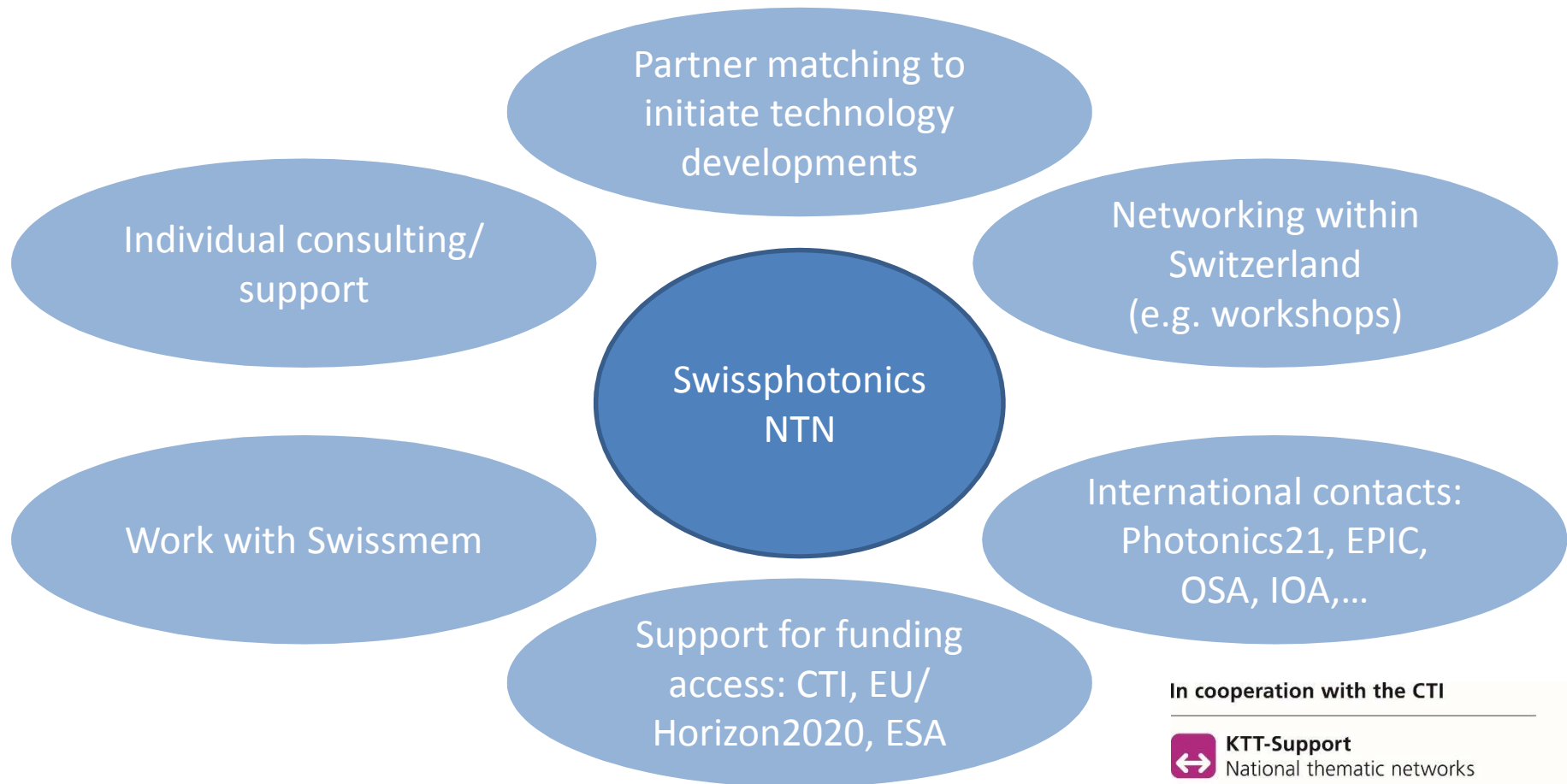
In Switzerland

Photonik-Industrie Schweiz - Produktionsvolumen 2013

Insgesamt: 3.0 Milliarden CHF




Direct support of companies with focus on SME's



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Swissphotonics NTN

SWISS PHOTONICS

More than 120 members



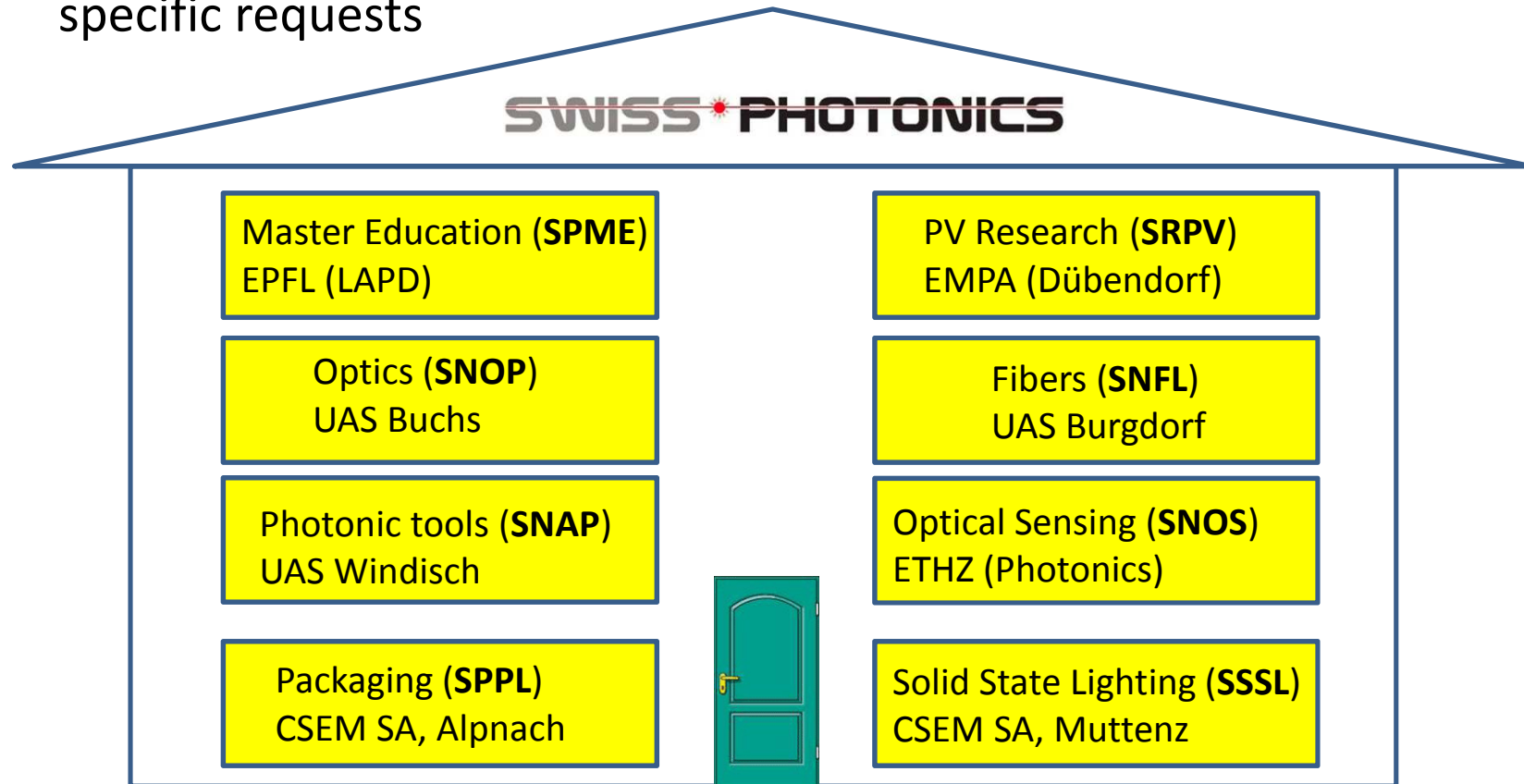
... and many more

www.swissphotonics.net

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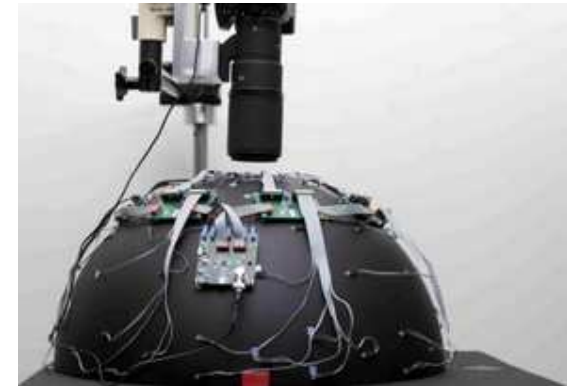
Direct support to SMEs – Swiss National Photonics Labs (SNPLs)

- Single contact: connection to the best suitable partner to handle specific requests



Workshop aims

- provide leading edge information
- build up and maintain personal network between academic and industrial innovators
- bring the optimal partners for projects together



Agenda

10:00	Registration and Coffee, Sponsoring Swissphotonics			
11:00	Dr. Mario El-Khoury CEO	CSEM SA Neuchâtel	www.csem.ch melkhoury@csem.ch	CSEM Welcome
11:10	Dr. Christian Bosshard Managing Director Swissphotonics	CSEM SA MuttENZ BL	www.csem.ch bosshard@swissphotonics.net	Swissphotonics Welcome and Program
11:20	Dr. Amina Chebira Project Manager	CSEM SA Neuchâtel	www.csem.ch amina.chebira@csem.ch	Chair a.m.
11:30	Dr. François Fleuret Head Computer Vision and Learning group	IDIAP Research Institute 1920 Martigny VS	www.idiap.ch francois.fleuret@idiap.ch	Exact Acceleration of Linear Object Detectors
12:00	Prof. Dr. Marco Zaffalon Institute for Artificial Intelligence	IDSIA Manno TI	www.idsia.ch/~zaffalon zaffalon@idsia.ch	Innovation through algorithms that learn
12:30	Philipp Schmid Section Head Robotics & Automation	CSEM SA 6055 Alpnach Dorf OW	www.csem.ch philipp.schmid@csem.ch	Industrial Approach: Automated Fault Detection with 1-Dimensional Sensory Signals for Quality Inspection
13:00	Lunch, Sponsoring Edmund optics worldwide			
14:00	Dr. Christoph S. Harder President Swissphotonics	Swissphotonics 8832 Wollerau SZ	www.swissphotonics.net harder@swissphotonics.net	Chair p.m.
14:00	Virginie Moser Expert Vision Embedded Systems	CSEM SA Neuchâtel	www.csem.ch virginie.moser@csem.ch	Vision algorithms on embedded platforms
14:30	Dr. Reto Wyss CTO and co-founder	ViDi Systems SA 1690 Villaz-St-Pierre FR	www.vidi-systems.com reto.wyss@vidi-systems.com	Deep-Learning for real world inspection problems
15:00	Dr. Boris Ecker Imaging Solutions Engineer	Edmund Optics GmbH Karlsruhe D	www.edmundoptics.de becker@edmundoptics.de	New Trends in Optics: Overcoming Depth of Field Limitations
15:30	Dr. Christoph S. Harder President Swissphotonics	Swissphotonics 8832 Wollerau SZ	www.swissphotonics.net harder@swissphotonics.net	Open Discussion
16:00	Simon Gray Head of Marketing & Sales	CSEM SA Neuchâtel	www.csem.ch simon.gray@csem.ch	CSEM Showroom Vist
16:00	Apéro Riche			