

First Joint Meeting by



and



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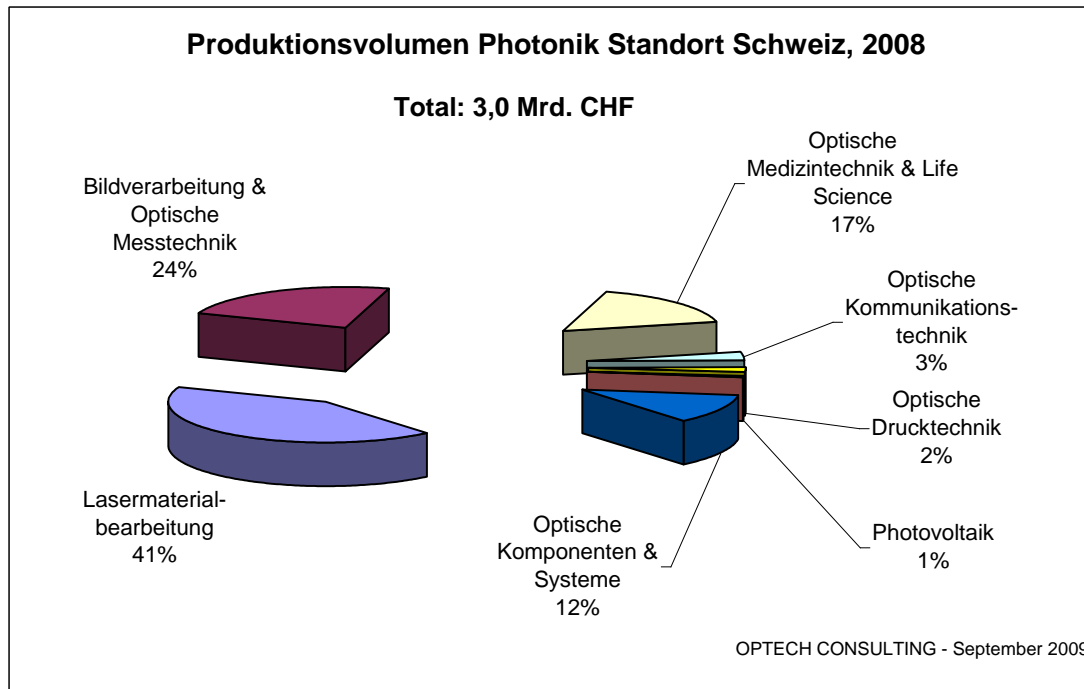
Biomedical Photonics

Christoph Harder, President

www.Swisslaser.Net, November 3, 2010



Swisslaser == Swissphotonics



- 3'000 Mio/year revenue
 - Number 2 in Europe photonic revenue/capita
- Photonics industry in Switzerland is dominated by material processing and input/output (Bildverarbeitung, Life science, optische Komponenten) technologies

Swiss Photonic Market Overview

Market	Laser Processing	Input/Output	Optical Comm.	Photovoltaic	Lighting
	43%	53%	3%	1%	na
Submarket	Laser Processing	Optical Measuring	Optical Communication	PV material	Lighting Material
	Laser Printing	Optical Components	Optical Interconnects	PV Processing	Luminaires
	Laser Surgery	Optical Life Science			
Industry	Bystronic	Balzers	Enablence	3 S Swiss Solar	BASF
	Dätwyler	Baumer	Beam Express	Flexcell	Epispeed
	Lasag	Cedes	Bookham	Flisom	Huntsman
	Leister	Fisba Optik	Diamond SA	Fluxim	Novagan
	Lüscher	Haag-Streit	Huber&Suhner	Huntsmann	Oerlikon
	Oclaro	Leica Geosystems	Xenlux	Meyer- Burger	Zumtobel
	Oerlikon	Leica Microsystems	+10 (see industry rep.)	Oerlikon	
	One-Five	Roche-Diagnostics		Pramac	
	Silitec	Schott Guinchard		Solaronix	
	Soudronic	SwissOptic		Solterra	
	Synova	Swissray		Sputnik Engineering	
	Time-Bandwidth	Tecan		Studer Innotec	
	Trumpf	Vectronix		Swiss Wafers	
		+50 (industry rep.)		VHF Technologies	
Research Org	CSEM	CSEM	CSEM	CSEM	CSEM
	EMPA Thun	EPFL	EPFL	EMPA Dübendorf	EMPA Dübendorf
	EPFL	ETH	ETH	EPFL	EPFL
	ETH/Inspire	UAS Biel	IBM	ETH	ETH
	UASs Burgd., Windisch	UAS Buchs	UniGe		
	UniBe				

Swisslaser = Swissphotonics

- SLN is the Swiss Photonics Innovation Network
 - **Includes ALL Photonics industries**, laser beam machining tools, optical interconnects and photovoltaics
 - **Covers the WHOLE of Switzerland** and is internationally networked
 - Supports technology transfer **ALL THE WAY** from **Swiss national science foundation to CTI and Swiss industry as well as the European technology platform “Photonics 21”**
 - Is the **Swiss Photonics Technology Platform** (counterpart to the European Technology Platform “Photonics21”)
- Swisslaser
 - Has more than 70 members (institutes and companies)
 - Gives seed money (5000.-, [www. swisslaser.net](http://www.swisslaser.net)) to support submissions of CTI projects
 - Is member of international photonics networks (EPIC, IOA, OIDA, OSA) and supports finding international funding.
 - Organizes workshops in order to bring the optimal partners of industry and academia together for technology transfer
 - Funding of CTI Swisslaser network projects has been 6 Mio/year



HOME

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COMPANIES

INFO FOR
INSTITUTES

WORKSHOPS

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SWISS PHOTONICS

PHOTONICS21

SNAPP

SNSF PHOTONICS

LASERFEST

ECOC 2011

DOWNLOADS

LINKS

SLN - THE
ASSOCIATION

SLN - THE TEAM

Upcoming events

Mi, 03.11.2010 Biomedical Photonics, University Bern

Do, 04.11.2010 inspire Laserkolloquium, ETH Zentrum

Do, 11.11.2010 Photonics as a Key Enabling Technology, CSEM SA,
Neuchatel

Do, 02.12.2010 3D Measuring (SLN) & 50 Jahre Laser (SSOM), NTB
Innerstaatliche Hochschule für Technik Buchs



Translate

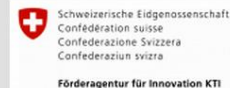
Agenda

- 03.11.2010: University Bern
Biomedical Photonics
- 04.11.2010: ETH Zentrum
inspire Laserkolloquium
- 11.11.2010: CSEM SA,
Neuchatel
Photonics as a Key Enabling Technology
- 02.12.2010: NTB
Innerstaatliche Hochschule für Technik Buchs
3D Measuring (SLN) & 50 Jahre Laser (SSOM)

News:

50th Birthday of the
Laser

Supported by:



13:00	Prof. Dr. Jaro Ricka	Welcome
	Dr. Christoph Harder	Introduction by SLN
13:10	Dr. Martin Wolf	Introduction by bmpn
13:20	Dr. Michael Reinert	Nanoshell Assisted Laser Tissue Fusion: An Opportunity for Bypass Surgery
13:40	Selected student presentations	
14:30	Break Poster viewing	Sponsor: Onefive GmbH
15:30	Dr. Christian Rathjen	Femto-Lasers in Ophthalmic Systems
16:00	Reinhard Jenny	Efficient Lighting in Medical Technology
16:20	Dr. Kurt Weingarten	Lasers to see, cut, and move
16:40	Prof. Dr. Theo Lasser	Coherent Imaging - from cells to molecule
17:00	Prof. Dr. Jaro Rička	Photonics for functional monitoring of ciliated airway epithelia
17:20	PD Dr. Martin Wolf	Award ceremony: Best poster price
17:30	Apéro Riche	Sponsor: Swisslaser.net
19:00	End	