



General Assembly 2016

Christian Bosshard and Christoph Harder

FHNW Olten

November 28, 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

Agenda

- | | |
|-----------------------------------------------------------------------------------|--------------------------|
| 1. Welcome, Agenda | |
| 2. Election of the scrutineers and scribe | Election |
| 3. Protocol of the GA of December 9, 2015 | Approval |
| 4. Activity report for CTI Year 2016 | Information / Discussion |
| 5. NTN review (Oct. 17) of CTI year 2016 | Information / Discussion |
| 6. Approval of the new NTN Swissphotonics | Information / Discussion |
| 7. Annual accounts 2015 | Information / Approval |
| 8. Status Accounts: CTI Year 2016 | Information |
| 9. Bylaw amendment (cf "Remark") | Discussion/Approval |
| 10. Discharge of the board members | Discussion / Approval |
| 11. Business Plan and Budget 2017 | Discussion / Approval |
| 12. Motions/amendments of the members
(to be sent in before November 11, 2016) | Discussion/ Approval |
| 13. Varia | |

2. Election of the scrutineers

- **Scrutineers/Stimmzähler**
 - Jürgen Söchtig
 - **Vote**
- **Scribe/Protokollführer**
 - Jürgen Söchtig
 - **Vote**

3. Protocol of the GA of December 9, 2015

- Meeting minutes available on web and as hardcopies
 - http://www.swissphotonics.net/libraries.files/ga_minutes_2015.pdf
 - Discussion
- Vote

4.1 Activity report CTI Year 2016

SWISS PHOTONICS

Search for ...

Home Events Labs Funding Research Photonics21 About Swissphotronics Support

Swissphotronics is the Swiss National Thematic Network (NTN) for photonics.

It is the declared goal of Swissphotronics to improve the competitiveness of its members through the support of the

- Organizing **Events**: Workshops to foster the interaction within the innovation community, round tables, conferences to provide opportunities for communicating leading edge information.
- Supporting eight **Labs** which act as center of competence and provide single point of contact for members.
- Informing about Swiss and European strategic **Research** agendas, research projects and funding opportunities.
- Providing information about **Funding** opportunities as well as access to funding.

Swissphotronics is a non-profit association, registered in the Swiss Commercial Register under the name "Swiss Photonics Netz". The activities of Swissphotronics are supported by the Swiss innovation promotion agency **CTI** under the NTN "Photonics Netz".

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

Upcoming events

Monday, 11.12.2016	Funding , FHNW Olten
12.12.2016	Photonik Kolloquium: Dr. Reinhard Völkel, Buchs
12.12.2016	SSSL Workshop , Pantheon, Muttenz BL

News

Website update	19.10.2016: Adding Link to SSSL labor
Int. Year of the Light 2015	Final report now available
Day of Photonics (managed by EPIC)	21st October: HTW Chur Workshop; NTB Buchs Infostand

SWISS PHOTONICS

4.2 Activity report CTI Year 2016

- **24 events**
 - Workshops for CTI project partner matching
 - talks by industry on *challenges* and research organisations on *solutions*
 - gap closure through partner matching for submission of CTI projects
 - Roundtables between research organisations and industry
 - End-user symposia to address value chain (Photonics4Food, Photonics4PrecisionManufacturing) and subsequent press articles
 - 7000 active e-mail addresses
 - Questionnaires after workshops
- ✓ **CTI goal: 12 events. Done: 24 events@61 participants, 53% from industry**












4.3 Activity report CTI Year 2016

- **28 new projects with 12.6 Mio CHF**
 - Submission support:
 - Market research reports
 - Technical review
 - Content review
 - Seed money checks and project coaching
 - Last year: 9 Seed Money Checks granted. 4 of them up to now resulted in an accepted CTI project
- ✓ **CTI goal: 8 Mio. Done: 12.6 Mio (doubled by industry contribution)**
- **Membership**
 - Increase to 143: <http://www.swissphotonics.net/about-swissphotonics/list-of-members>
- ✓ **CTI goal: 15 new members. Done: 28 new members**

4.4 Activity report CTI Year 2016

Swissphotonics National Photonics Labs Initiative



Patrik Hoffmann		Laser Beam Production	Carsten Ziolek		Optics platform
Valerio Romano		Fiber Lab	Christophe Moser		Photonics Education
Rolando Ferrini		Solid State Lighting	Frank Nüesch		Photovoltaics
Stefan Mohrdiek		Packaging	Lukas Novotny		Optical Sensors

4.4a Activity report CTI Year 2016

- **Swissphotonics National Photonics Labs Initiative**
 - Each National Lab combines all research organisations in Switzerland working on same topic
 - Excellence cooperates! Know each other, complement each other (save money!)
 - National Labs serve SMEs («one stop shop»)
 - Many Swissphotonics workshops are organized by the National Labs
- ✓ **CTI goal: Build up and support Result: 8 Labs built up and supported**



Intelligent efficient solid-state lighting
12.12.2016 in Muttenz

4.5 Activity report CTI Year 2016

- **Other events include**

- Networking Aperero at SPIE Photonics West 2016 in San Francisco: 17.2.2016
- Networking Aperero at Laser Photonics of China 2016 in Shanghai: 16.3.2016
- 21th Meeting of the International Optoelectronics Association (IOA), 2016, in Zürich: 22.-24.4 2016
- Sponsoring and exhibition booth at LPS 2016 in Bregenz: 20.9.2016

- **International activities**



International Optoelectronics Association

see below

4.6 Activity report CTI Year 2016

Team



Webmaster/
Event Coordinator



Support



President



Managing Director

Executive board



4.6a Activity report CTI Year 2016

Advisory board

- Dr. Bernhard Braunecker (Braunecker Engineering GmbH)
- Dr. Ulrich Dürr (Chairman of the board, Meridian AG)
- Prof. Dr. Andreas Ettemeyer (Prorektor, NTB)
- Dr. Jürgen Hohnhaus (CTO, Bystronic Laser AG)
- Dr. Stefan Nowak (VR Präsident, Net Nowak Energie&Technologie AG)
- Prof. Dr. Konrad Wegener (ETH Zürich, IWF)
- Beat de Coi (Founder, CEO, Chairman of the board, Espros Photonics AG)
- Peter Kirkegaard (Geschäftsführer, IMT Masken und Teilungen AG)
- Werner Krüsi (VR, FISBA AG)
- Dr. Christoph Rüttimann (Entwicklungsleiter, Trumpf Laser Marking Systems AG)

4.7 Activity report CTI Year 2016

Swissmem: Advocacy for Photonics on “C”-level

1. Work Group Education:

- Bachelor: Started in HTW Chur and NTB Buchs
- Master: Supporting Initiative

2. Work Group Advocacy:

- Promoting Photonics through parliament contacts, press

3. Work Group: National research initiative

- Interest group meetings to start submission of NFP in Photonics

4.8 Activity report CTI Year 2016

- **Photonics21**
 - SWISSPHOTONICS is part of the EU network project EuroPho21
 - Most Swiss national photonics laboratories are part of a Photonics21 working group
 - Christian Bosshard and Christoph Harder are members of the Board of Stakeholders
 - ***Board of Stakeholders voted on the Photonics propositions for 2018-2020 (Nov. 22, 2016)***



4.9 Activity report CTI Year 2016




- EPIC
 - Swissphotonics is member of EPIC
 - Kurt Weingarten is board member
 - Swissphotonics hosted the general assembly of EPIC in 2016 in Zürich

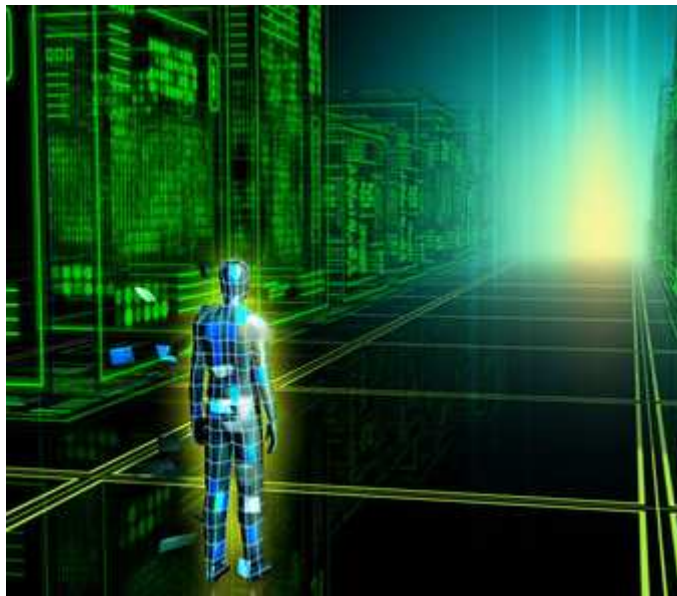


6.30 in the morning at the lake of Zürich



4.10 Activity report CTI Year 2016

- Day of Photonics 2016 (<http://day-of-photonics.org/>).
 - Biannual event to promote "photonics" to the general public all over the world (always on Oct. 21).
 - Managed by  EPIC
European Photonics Industry Consortium



HTW Chur



TAG DER PHOTONIK
21 OKTOBER 2016

Spezialisten der NTB erklären Interessierten mit Exponaten Technik und Möglichkeiten der Photonik.

Datum / Ort
21. Oktober, ca. 11:00 - 14:00 Uhr
Bahnhofstrasse Buchs
www.ntb.ch/photonik

NTB

4.11 Activity report CTI Year 2016



Event organized on October 5 at EPFL in Lausanne by the EPFL Photonics Chapter (student organisation) and Swissphotonics





Disruptive Technology: Optical Amplifier

One Regenerator Every 40 Km

1310nm Direct Modulation

\$920 / Km / Gbit/s

Magic Fiber: Erbium doped fiber

Optical Amplifier

Pump Laser

Erbium Doped Fiber

Optical Amplifier: Needs 980nm pump supply. We were the only laser high power and high re

Today: A few hundred channels at 10Gb/s over a few thousand km!

4 Channel WDM/ External Modulation

One Optical Amplifier Every 120 Km

\$150 / Km / Gbit/s



Photos: Thomas Walger

4.12 Activity report CTI Year 2016

- **Outlook for workshops: planned**

- Monday, 28.11.2016 Workshop: Funding , FHNW Olten
- Tuesday, 29.11.2016 Photonik Kolloquium: Dr. Reinhard Völkel, Buchs
- Monday, 12.12.2016 SSSL Workshop , Pantheon, Muttenz BL
- Wednesday, 25.01.2017 LED-Forum 2017, Garmisch-Partenkirchen
- Tuesday, 31.01.2017 Photonik Kolloquium: Dr. Michael Ewart, Buchs
- Wednesday, 01.02.2017 SPIE Photonics West 2017, San Francisco
- Tuesday, 14.03.2017 Photonik Pavilion at Laser World of Photonics, Shanghai
- Wednesday, 15.03.2017 Symposium: Optical Coatings for Laser Applications 2017, Buchs

Check our homepage!

- **Outlook for workshops: proposed**

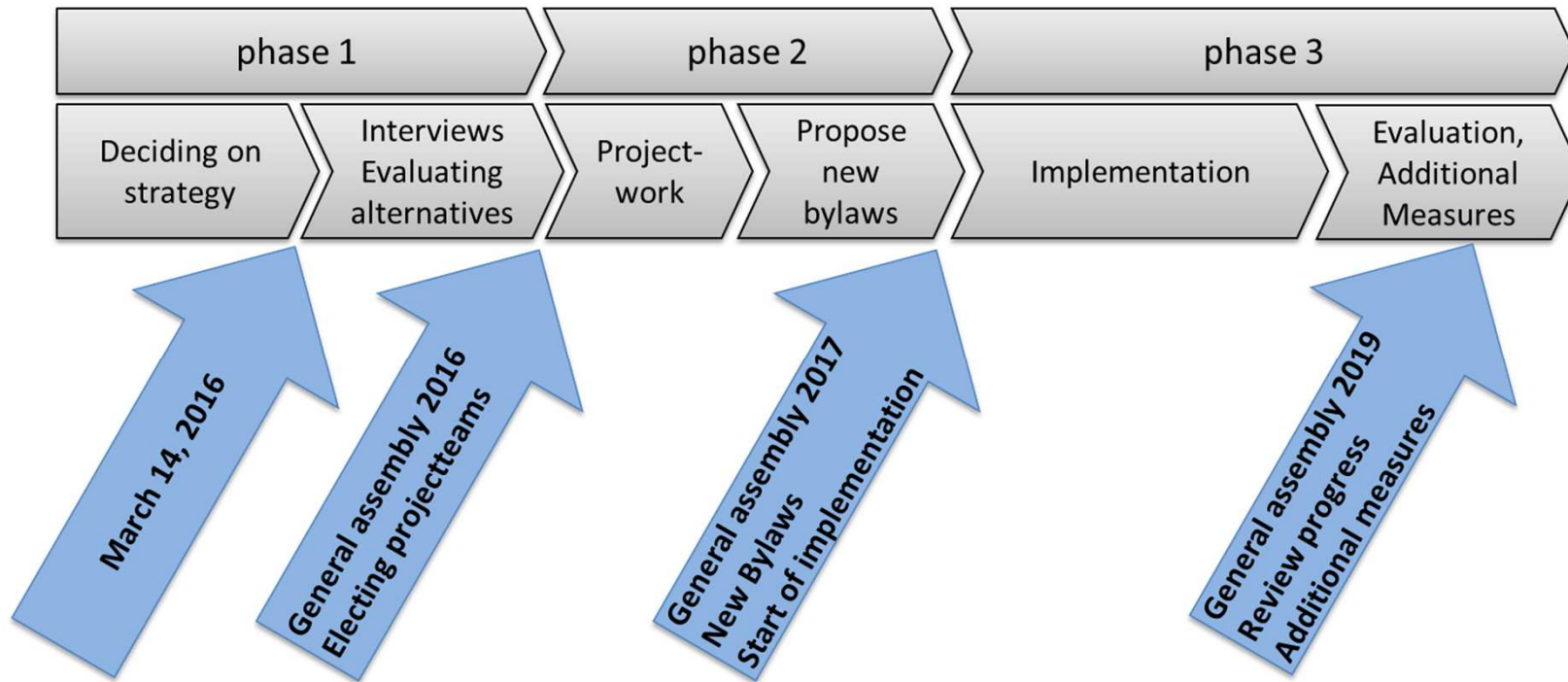
- Medtech Expo 2017 in Luzern
- Advanced manufacturing 2018 in Luzern

5. NTN review (Oct. 17) of CTI Year 2016

- **Goals and deliverables:**
 - Good results (final values not yet available)
 - Goals and deliverables for 2017 not yet finalized
- **Finances:**
 - Third party funding: Aim 130 kCHF, achieved 107 kCHF (primarily through membership fees, Photonics 21 support and paid support for event organization)

6. Approval of the new NTN Swissphotonics

- Roadmap for NTN2 (2017 to 2020): Become self supportive



- **Project team:**
 - Who wants to participate in project team

7. Annual accounts: 2015

	2015 budget	2015 final	2015 comments
Membership fees	SFr. 32 000.00	SFr. 27 153.06	
KTI Beitrag			
Base	SFr. 210 000.00	SFr. 210 000.00	
Bonus	SFr. 140 000.00	SFr. 139 252.00	
Sponsoring	SFr. 0.00	SFr. 2 000.00	
	SFr. 39 000.00	SFr. 74 367.56	Innopho+Europho
Reserves		SFr. 39 800.00	Reserven aufgelöst
Total Revenue	SFr. 421 000.00	SFr. 492 572.62	
Managing Director	SFr. 50 000.00	SFr. 55 080.00	
President	SFr. 75 000.00	SFr. 76 742.40	
Outsourcing	SFr. 30 000.00	SFr. 35 978.30	
Admin	SFr. 5 000.00	SFr. 5 605.00	
Marketing	SFr. 20 000.00	SFr. 20 813.86	
Society contributions	SFr. 8 000.00	SFr. 5 398.19	
Workshops	SFr. 150 000.00	SFr. 168 859.28	
Travel			
Reise	SFr. 2 000.00	SFr. 0.00	
Reise Inno/Europho21	SFr. 3 000.00	SFr. 0.00	
Special Program			
Seed	SFr. 54 000.00	SFr. 51 200.00	
Konferenz Sponsoring	SFr. 16 000.00	SFr. 23 705.50	
Studie	SFr. 8 000.00	SFr. 4 851.50	
Nationale Labors	SFr. 400 000.00	SFr. 243 809.88	150'000 in 2016
Finance cost/dep		SFr. 39.95	
Steuern	SFr. 0.00	SFr. 1 170.80	
Total Cost	SFr. 821 000.00	SFr. 693 255.36	
Profit	-SFr. 400 000.00	-SFr. 200 682.74	Nat Labors+Reserven

Kontostand 31.12.15:
802'807.76

Audited by MAF Zurich
Consulting Group AG

Under review by
«Vereins-Revisoren»
Prof. Wegener and Dr.
Boillat

8. Status accounts: CTI Year 2016

Posten	KTI '16 Budget	KTI'16	Kommentar
KTI-Beiträge	350 000.00	349 252.00	
Mitgliederbeiträge	35 500.00	38 796.86	Kontoeingänge 1.10.15-26.9.16
Sponsoring	20 000.00	8 000.00	inkl. 1000 Sponsor EPHJ (noch ausstehend)
Erträge aus Dienstleistungen	60 000.00	60 000.00	EuroPho21 pro rata (siehe separate Abrechnung)
Weitere Ertragsquellen	-		
Zwischentotal Ertrag	465 500.00	456 048.86	Mindereinnahmen durch Sponsoring
Posten			
Mandate: Geschäftsführer	54 000.00	55 080.00	
Mandate: Präsident	75 000.00	76 723.20	
Mandate: Eventmanagement	80 000.00	80 460.00	
Mandate: Europho21	30 000.00	63 529.80	Mehrausgaben durch Europho21 Zusatzarbeit
Raumaufwand		-	in Mandaten
Verwaltungs- und Informatikaufwand	5 000.00	2 334.00	Informatik in Mandaten, nur Treuhänder
Kommunikationsaufwand	36 000.00	29 096.71	
Veranstaltungen	16 000.00	22 611.51	Sponsoring von Konferenzen
Workshops	50 000.00	96 889.72	Mehrausgaben durch zusätzliche Veranstaltungen (IOA)
Arbeits- und Innovationsgruppen	210 000.00	146 703.54	Nationale Labors
Reisen und Spesen	7 000.00	-	teils in Mandat
Anschubfinanzierung	54 000.00	45 795.00	Seed money checks
Diverser Betriebsaufwand	-		
Zwischentotal Aufwand	617 000.00	619 223.48	Wie geplant
Erfolg	-151 500.00	-163 174.62	Verlust durch einmalige Nationale Labors Ausgaben

Kontostand per 26.9.16: 570'327.46

9. Bylaw amendment: add commitment below

Corporate act: Decision of the board

June 16, 2015

- **Vote**

Commitment to Antitrust Laws Compliance

English:

This publication is based on a decision by the board of directors on 16th of June, 2015:

Companies and organizations are subject to various antitrust regulations. The responsibility for complying with antitrust law lies with them. Swissphotonics offers its members a legal basis for the exchange of opinions and for experiences whilst at the same time adhering to antitrust laws. Meetings of Swissphotonics are not to be used as an opportunity dealing with topics that are a violation of antitrust laws or for arranging or fostering agreements or decisions that are not in line with antitrust law. Swissphotonics will not accept any behavior that might be a violation of antitrust law.

Deutsch:

Diese Veröffentlichung basiert auf einem Beschluss des Vereinsvorstandes vom Juni 2015:

Unternehmen und Organisationen unterliegen einer Vielzahl an wettbewerbsrechtlichen Bestimmungen und tragen dafür Sorge, dass sich ihr Business innerhalb dieser Bestimmungen bewegt. Swissphotonics bietet seinen Mitgliedern eine legale Plattform für den Austausch von Meinungen und Erfahrungen. Die Treffen des (Verbandes) sollen keine Gelegenheit zu Verletzungen von wettbewerbsrechtlichen Bestimmungen darstellen. Die Treffen von Swissphotonics sollen zudem keine Gelegenheit zum Abschluss von Verträgen oder Vereinbarungen geben, die gegen wettbewerbsrechtliche Bestimmungen verstossen. Swissphotonics toleriert kein Verhalten, dass wettbewerbsrechtlichen Bestimmungen widerspricht.

10. Discharge of board members

- **Discharge for**
 - Annual accounts 2015
 - Status accounts CTI year 2016
- **Members** in charge: Dr. Andreas Ettemeyer
 - Dr. Christoph Harder: HPP, Schindellegi (President)
 - Dr. Christian Bosshard: CSEM, Muttenz (Managing Director)
 - Prof. Dr. Valerio Romano: UAS Burgdorf (BFH) (Vice President)
 - Dr. Gabriel Dumitru: Blösch Group, Grenchen (Treasurer)
 - Beat Lüscher: UAS Windisch (FHNW) (Actuary)
 - Prof. Dr. Carsten Ziolek, replacing Prof. Dr. Andreas Ettemeyer: UAS Buchs (NTB)
 - Dr. Lukas Krainer: OneFive, Zürich
 - Prof. Dr. Frank Nüesch: EMPA, Dübendorf
 - Prof. Dr. Christophe Moser: EPFL Lausanne
 - Josef Stirnimann: Inspire, Zürich
 - Dr. Kurt Weingarten: Lumentum, Zürich
- **Vote**

11.1 Business plan and Budget 2017

Posten	Abschluss 2015	Budget 2017	Kommentar 2017
KTI-Beiträge	349 252.00	300 000	Reduktion um 15%
Inländische Förderbeiträge			
Ausländische Förderbeiträge	74 367.56	80 000	20'000 upside möglich
Mitgliederbeiträge	27 153.06	45 000	Neue Mitglieder
Veranstaltungsbeiträge			
Sponsoring	2 000.00	20 000	Stretch Goal
Spenden			
Erträge aus Dienstleistungen			
Weitere Ertragsquellen	39 800.00		
Zwischentotal Ertrag	492 572.62	445 000	
Posten			
Entschädigung Geschäftsführende	-		
Entschädigung Vorstand	-		
Übriger Personalaufwand	-		
Mandate: Geschäftsführer	55 080.00	54 000	
Mandate: Präsident	76 742.40	75 000	
Mandate: Eventmanagement	80 460.00	80 000	
Mandate: Europho21	30 000.00	60 000	Europho Zusatzaufgaben
Raumaufwand	-		
Verwaltungs- und Informatikaufwand	5 605.00	5 000	
Kommunikationsaufwand	31 063.55	20 000	
Veranstaltungen	23 705.50	16 000	
Workshops	88 399.28	80 000	Reduktion
Arbeits- und Innovationsgruppen	243 809.88	40 000	Auslaufende Unterstützung mit NTN
Reisen und Spesen	5 978.30	-	
Anschubfinanzierung	51 200.00	54 000	
Diverser Betriebsaufwand	1 211.45	-	
Zwischentotal Aufwand	693 255.36	484 000	
Erfolg	-200 682.74	-39 000	Verlust durch Unterstützung Nationaler Labors

11.2 Business Plan and Budget 2016

- **Income**
 - 445'000
- **Spending**
 - 484'000
- **P&L**
 - -39'000
- **Equity at end of 2017**
 - 500'000

- **Vote**
 - To accept CTI 2017 budget

12. Motions/amendments of the members

- **Amendments/motions**
 - None
- **Discussion points**
 - None

13. Varia

- **Proposals, comments and questions from the members**
 - Planned: Invitation of at least one journalist for major Swiss Photonics events
 - International success stories of members to report for EuroPho 21?
 - Interest in booth at the Swiss NanoConvention in Fribourg (June 1,2, 2017)?
 - Interest to participate in Swissphotonics driven event (workshop, enduser meeting, booth, apéro ...) at Laser World Of Photonics, Munich, 26-06-2017?