

Meeting Minutes of 2017 General Assembly of „Swissphotonics NTN“

Meeting Location and Time

BFH Burgdorf, November 15, 2017, 11:00-12:00

Attendance

33 people attended the GA.

Distribution

Board, Swissphotonics Webpage

Agenda of the GA 2017

- | | |
|---|--------------------------|
| 1. Welcome, Agenda | |
| 2. Election of the vote counter and keeper of the minutes | Election |
| 3. Protocol of the annual meeting of November 28, 2016 | Approval |
| 4. Activity report for CTI, Year 2017 | Information / Discussion |
| 5. NTN review (Oct. 17) of CTI year 2017 | Information / Discussion |
| 6. Strategy 2020 | Information |
| 7. Annual accounts 2016 | Information / Approval |
| 8. Status Accounts: CTI year 2017 | Information |
| 9. Discharge/(Re)election of the board members | Discussion / Approval |
| 10. Business plan and budget 2018 | Discussion / Approval |
| 11. Motions / amendments of the members | Discussion / Approval |
| 12. Miscellaneous | Discussion / Approval |
| 13. Presentation: Ultra-thin, ultra-uniform light sources based on a single nanostructure optical fiber, Dr Simon Riviet, L.E.S.S. SA | |

1. Welcome, Review of the Agenda

Dr. Christian Bosshard, managing director of Swissphotonics, welcomes the members to the 2017 annual meeting and leads through the first parts of the meeting.

No comments or amendments to the proposed agenda were made.

2. Election of the Vote Counter and the Scribe of the Minutes

Election per vote of:

- the vote counter: Dr Kurt Weingarten
- the scribe: Dr Ute-Christine Konopka

3. Review of the Meeting Minutes of the Annual Meeting 2016 (November 28, 2016)

The assembly (33 votes) accepts the meeting minutes of the annual meeting of November 28, 2016. It is online: [GA_minutes_2016.pdf](#)

Dr. Christian Bosshard presents the activities of Swissphotonics NTN for the last period and the main results of the annual NTN review.

4. Activity Report for CTI Year 2016

Swissphotonics NTN

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

Membership

Increase from 143 members (2016) to 154 members (2017) (CTI goal: 20 new members, achieved 17 new members), 6 members lost in 2017.

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

Workshops and Conferences

More than 20 events

- Workshops for CTI project partner matching
 - Presentations by industry on challenges and research organizations on solutions
 - Gap closure through partner matching for submission of CTI projects
- Roundtables between research organizations and industry
- 7700 active e-mail addresses
- Very successful; no CTI requirement in 2017 (Workshop organization is not a goal of CTI because workshops are basic requirements)

Seed money checks and project coaching

10 Seed Money Checks granted.

3 of them resulted in an accepted CTI project, 2 resulted in submissions (results pending)

CTI goal: 20 (24) new projects plus 10 seed money checks

28 new projects

Submission support:

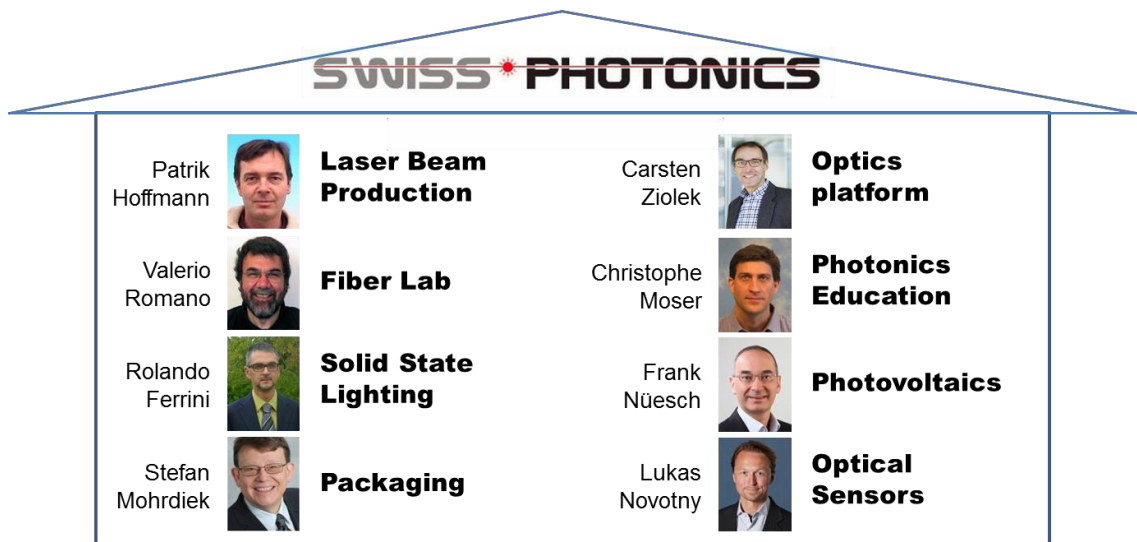
- New market research report
- Technical review
- Content review

Other Goals:

Definition	Remarks	Achieved
Third Party funding		107 kCHF
2 Eurostar and 2 H2020 accepted	4 H2020 accepted	100 %
3 WS in Romandie or Ticino	5xRomandie, 1xTicino	100 %
1 WS on how to write R&D (CTI) project proposals	1xGerman part: done	100 %
Workshop together with NCCR MUST	1xRomandie:fixed for 27.10.17	
	Planned for 2018	0 %

CTI goals: largely fulfilled

Direct support to SMEs - Swiss National Photonics Labs



Swissphotronics National Photonics Labs Initiative

- Each National Lab combines all research organizations in Switzerland working on same topic
- Excellence cooperates! Know each other; complement each other (save money!)
- National Labs serve SMEs («one stop shop»)
- Many Swissphotronics workshops are organized by the National Labs
- No CTI requirement in 2017

Other events include:

- EPIC Executive Breakfast, Zurich: 14.12.2016
- Networking Apero at SPIE Photonics West Apero, San Francisco: 01.02.2017
- Networking Apero at Swiss pavilion at Laser World of Photonics, Shanghai: 14.03.2017
- Networking Apero at Apero Laser World of Photonics, München: 28.06.2017
- Sponsoring and exhibition booth at LPS 2017 in Bregenz: 26.-28.09.2017

International Activities: strong collaborations with EPIC, Photonics21, OSA and IOA

Swissphotonics Advisory Board:

Board members:

- Dr. Bernhard Braunecker (Braunecker Engineering GmbH)
- Dr. Ulrich Dürr
- Prof. Dr. Andreas Ettemeyer (Prorektor, NTB)
- 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 (CTO, Bystronic Laser AG)
- **New: Andreas Conzelman (GM, Trumpf Laser Marking Systems)**
- **«Retired»: Dr. Jürgen Hohnhaus (CTO, Bystronic Laser AG)**

Input from meeting with Advisory Board on 25.08.2017

- Strategy towards 2020: develop alternative routes 2 & 3
- Proactiveness of SWISSPHOTONICS towards Innosuisse and presentation of merit for innovation in Switzerland.
- Clarify difference between SWISSPHOTONICS NTN and Specialty Group Photonics of Swissmem
- Organize key event in 2018
- Start NTN interest group to exchange information and experiences with other NTN's (bilateral meeting with the NTN ADDIVIVE MANUFACTURING already took place)
- Workshops: increased focus on Technology Roadmap Push vs Market Technology Pull for a gap analysis -> Innosuisse project ideas

Swissmem: Advocacy for Photonics on “C”-level:

1. Work Group Education:
 - Bachelor: 2nd year at HTW Chur and NTB Buchs with first graduates in 2019 and 2018
 - Master: Curriculum defined, accepted and planned to be started by FBH in 2019
 - Apprenticeship: Proposal to adapt and extend towards photonics of existing apprenticeships
2. Work Group Advocacy:
 - Booth at EPFL industry day
 - Plan to participate at prodex 2019
3. Work Group: National research initiative
 - Roundtable photonics: Plan for submission of NFP in Photonics in 2018
4. Activities in 2018
 - Workshops (Exportcontrol, Hyperspectral Sensing)
 - Photonics-Treff 2018
 - Delegation trip 2018 to Baden Württemberg
 - Exhibition 2018 (Laser World of Photonics Shanghai, CIOE Shenzhen, Vision Stuttgart)

H2020 call 2018-2020

- SWISSPHOTONICS is part of the EU network project EuroPho21/NextPho21
- 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

Beyond 2020

Photonics21 Expert Meetings took place in September 2017(04.09 – 11.09.2017) in pEnvironment, pEducation, pFood, pHealth, pDigitalSec, pTransportation, pSociety and pManufacturing

Workshops from 1.10.2017

- Friday, 06.10.2017 SUPSI Industry Day 2017, Lugano Canobbio TI
- Thursday, 12.10.2017 Photonics Industry Day 2017, Forum EPFL
- Tuesday, 17.10.2017 IVAM LaserForum 2017, NTB
- Friday, 27.10.2017 Workshop on SLM, EPFL
- Monday, 06.11.2017 From Daylight to Lighting 4.0, Empa Dübendorf
- Wednesday, 15.11.2017 GA Swissphotonics, BFH Burgdorf
- Wednesday, 15.11.2017 Specialty Optical Fibers, BFH Burgdorf

Workshops in discussion for 2018

- Image processing: FromGestureToLidar, Graubünden, Chur, HTW (2018)
- Light4Plants in collaboration with the NTN Swiss Food Research (2018)
- Communication Technologies (2018)
- LED Europe (SSSL)
- NCCR MUST/Swissphotonics (U. Keller, 2018)
- Perovskite solar cells (S. Oberholzer, F. Nüesch, 2018)
- Photonics 4 Medtech (N. Neuenschwander, 2018)

Jobs

On request jobs openings are published on the Swissphootnics webpage

- Rhysearch, Projektleiter Praezisionsfertigung 16sep2016 100%, Working in 9471 Buchs, SG
 - ROFIN - LASAG AG, Applikationsingenieur Rofin Lasag 2016 July 100%, Working in 3123 Belp
 - University of Zurich and VetmedUni Vienna offer a full-time Postdoc Position for a chemometrician or biostatistician
 - CSEM: Engineer, Neuchâtel: R&D Electrical Engineer Description
 - Employment agency: Partnering with Swiss Professional Recruiting AG (www.spr-ag.ch)
 - List of Swiss Companies active in the Photonics fields:
Overviewphotonicscompaniesswitzerland 20160918
 - Photonics Jobs and Internships within Europe
- Open positions advertized on the Photonics21 positions website .

Market data, Roadmaps, Photonics reports

Market data, Roadmaps, Photonics reports are available on the Swissphotonics homepage, such as e.g.

- PhotonikSchweiz, 2017, Optech Consulting (PDF, 241 KB)

5. NTN Review (Oct. 18) of CTI year 2017

Goals and deliverables:

- Good results (final values not yet available)
- Goals and deliverables for 2018 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)

Dr. Christoph Harder, president of Swissphotonics, leads through the rest of the Annual Meeting 2017.

6. Strategy 2020

- **Decisions**
 - Secure income by “network” activities (EU Photonics21 network, membership fees, new opportunities)
 - Do not generate income by “Verbands” activities or commercial activities, because we want to stay as a network and we do not want to compete against our members.
- **New opportunities**
 - National initiatives (NFP (SCCPR) and Eurostar (Swiss structural funds))
- **Grass-roots**
 - Grass-root support needed in any case

7. Annual accounts (tax year) 2016

Posten	Budget 2016	Abschluss 2016	Kommentar 2016
KTI-Beiträge	350 000	335 400.00	
Inländische Förderbeiträge			
Ausländische Förderbeiträge		-	Pro rata: 50'000
Mitgliederbeiträge	35 500	41 153.86	
Veranstaltungsbeiträge			
Sponsoring	20 000	8 000.00	Very difficult
Spenden			
Erträge aus Dienstleistungen			
Weitere Ertragsquellen		-	
Zwischentotal Ertrag	405 500	384 553.86	
Posten			
Entschädigung Geschäftsführende		-	
Entschädigung Vorstand		-	
Übriger Personalaufwand		66 327.90	Employee instead of planned mandate
Mandate: Geschäftsführer	54 000	55 100.00	
Mandate: Präsident	75 000	76 723.20	
Mandate: Eventmanagement		80 460.00	Separated out from workshops
Mandate: Europho21	30 000	1 533.75	Employee instead of planned mandate
Raumaufwand		-	
Verwaltungs- und Informatikaufwand	5 000	6 360.00	
Kommunikationsaufwand	36 000	31 976.12	
Veranstaltungen	16 000	19 602.60	
Workshops	130 000	121 113.67	Much increased workshop activity but eventmanagement separated out
Arbeits- und Innovationsgruppen	210 000	74 102.84	Planned ramp down
Reisen und Spesen	7 000	4 817.37	
Anschubfinanzierung	54 000	20 795.00	
Diverser Betriebsaufwand		405.18	
Zwischentotal Aufwand	617 000	559 317.63	
Erfolg	-211 500	-174 763.77	

Audited:

- Audited by MAF Zurich Consulting Group AG
- Accepted by CTI as last report for first 4 NTN years
- Will be submitted under review by «Vereins-Revisoren»

Prof. Dr. Wegener and Dr. Boillat

Details:

Kontostand 31.12.16: 440'438.91

Planned loss of 175'000 due to

- Delayed funds from Europho21
- Many workshops
- Last payout for lab

8. Status Account: CTI year 2017

Finanzbericht 2017

Posten	Zahlungslauf 1.1.-26.9.17
KTI-Beiträge	210'000.00
Inländische Förderbeiträge	
Ausländische Förderbeiträge	73'048.00
Mitgliederbeiträge	37'150.00
Veranstaltungsbeiträge	
Sponsoring	1'950.70
Spenden	-
Erträge aus Dienstleistungen	
Weitere Ertragsquellen	56'339.-00 (KTI Bonus 2016)
.	3'922.80 (Varia)
Zwischentotal Ertrag	382 410.50

Posten	
Entschädigung Geschäftsführende	55'073.50
Entschädigung Vorstand mit Büro, Verwaltungs und Informatikaufwand	57'542.40
Übriger Personalaufwand	58'255.37
Mandate	60'345.00
Kommunikationsaufwand	30'085.63
Veranstaltungen	
Workshops	64'317.79
Arbeits- und Innovationsgruppen	57'400.00
Reisen und Spesen	4'183.48
Anschubfinanzierung	65'356.20
Diverser Betriebsaufwand	9'083.73
Zwischentotal Aufwand	461 643.10
Erfolg	-79'232.60

Expected Bonus of 80 000.00

Vote on budget 2017 : Approval: 33, Disapproval: 0, Abstention: 0

9. Discharge/ (Re)election of the board members

Discharge for

- Annual accounts 2016
- Status accounts CTI year 2017

Vote (in charge: Dr. Andreas Ettemeyer): Approval: 33, Disapproval: 0, Abstention: 0

The general assembly discharges and reelects the executive board (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 Ziolk, NTB Buchs; 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)

Remark: Lukas Krainer, OneFive, Zürich is not reelected since he decided to leave the board. The board thanks him for his support of Swissphotonics during the past years and wishes him all the best for the future.

Vote (in charge: Dr. Andreas Ettemeyer): Approval: 25, Disapproval: 0, Abstention: 8

10. Business Plan and Budget 2018

Budgetplanung 2018

Posten	Ertrag in CHF	
	9 Monate 1.1.17-30.9.17	Budget Planung 12 Monate 1.10.17-30.9.18
KTI-Beiträge	210'000.-	210'000.00 (KTI Basis)
Inländische Förderbeiträge	-	90'000 (KTI Bonus)
Ausländische Förderbeiträge	60'000.- (Europho21)	60'000
Mitgliederbeiträge	45'000.- (31 Individuell, 122 Collective, 1 Netz)	50'000
Veranstaltungsbeiträge	-	-
Sponsoring	2'000.-	10'000
Spenden	-	-
Erträge aus Dienstleistungen	-	-
Weitere Ertragsquellen	-	-
Zwischentotal Ertrag	317'000.-	420'000

Posten	Aufwand in CHF	
	9 Monate	12 Monate
Entschädigung Geschäftsführende	37'500.-	50'000
Entschädigung Vorstand mit Büro und Verwaltung und Informatikaufwand	57'500.-	80'000
Übriger Personalaufwand	41'400.-	-
Mandate	60'300.-	80'000
Kommunikationsaufwand	30'000.-	30'000
Veranstaltungen	-	-
Workshops	64'300.-	90'000
Arbeits- und Innovationsgruppen	55'000.-	150'000 wenn Labors separat finanziert werden
Reisen und Spesen	-	5'000
Anschubfinanzierung	55'000.-	55'000
Diverser Betriebsaufwand	10'000.- (Treuhänder)	10'000
Zwischentotal Aufwand	419'600.-	420'000

Details

- Cash at 30.9.2017: 360'000
- Income: 420'000
- Spending: 420'000
- P&L: +/- 0
- Cash at end of 2018: 360'000

Vote on budget planning 2018 : Approval: 33, Disapproval: 0, Abstention: 0

11. Motions / Amendments of the Members

None

12. Miscellaneous

None

13. Industry Presentation

Presentation: Ultra-thin, ultra-uniform light sources based on a single nanostructure optical fiber, Dr Simon Riviet, L.E.S.S. SA

Signatures for the protocol



Dr. Christoph Harder
President Swissphotonics



Dr. Christian Bosshard
Board member, CEO Swissphotonics

19. December 2017