

Workshop: Funding opportunities for Swiss Companies and Research Organisations FHNW Olten, November 28th 2016



Dr. Christian Bosshard

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Dr. Christian Bosshard is Vice-President of the CSEM Center in Muttenz. He received his degree in Physics (1986) and his doctorate (1991, Silver medal award) from ETH. Christian Bosshard is a Fellow of the Optical Society of America (OSA), coordinator for CSEM in the Heterogeneous Technology Alliance (HTA), Managing Director and board member of Swissphotonics.

Moderation

The economic environment for the development of new technologies and applications is becoming increasingly difficult. The workshop will provide an overview on the major funding opportunities accessibly to Swiss companies and research organisations. The workshop breaks will allow the participants to actively discuss the opportunities and challenges with the experts.



Prof. Rainer Schnaidt

Head R & D, University of Applied Sciences and Arts Northwestern Switzerland FHNW, 5210 Windisch
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Studium der Luft- und Raumfahrttechnik, später MBA, 15 Jahre Industrietätigkeit als Ingenieur, Projektleiter, Team- und Bereichsleiter, seit 20 Jahren in der Hochschule tätig, überwiegend an der Schnittstelle zwischen Hochschule und Industrie, seit 1.1.2006 Leiter des Institutsbereichs der Hochschule mit 12 Instituten und 320 Mitarbeitenden und als Dozent im Studiengang Wirtschaftsingenieur tätig.

Welcome

Begrüßung der Teilnehmer, Profil der FHNW, Hochschule für Technik im Bereich der Forschung, Bedeutung der Drittmittelfinanzierung in diesem Leistungsbereich.



Dr. Andreas Werthmüller

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Andreas Werthmueller joined the Swiss Space Office in 2013. Member of the Swiss Delegation to ESA and National Contact Point for PRODEX he contributes to the framework in which Swiss, European and international Space Science is evolving. With a degree and a PhD in atomic physics Andreas Werthmueller acquired a broad experience in managerial but also regulatory work ranging from environmental issues to energy production and storage to the promotion of all aspects of research and innovation

R&D in space-related programmes in Switzerland, through ESA and beyond

The European Space Agency might not provide you with funding of your *green field* research and development. But it certainly is interested in partnering when your ideas and concepts might have implications and applications for the top-notch technology that is used in space, be it for detectors, sensors, data handling and processing or other components and systems.



**Dr. Christian
Brunner**

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2015–present Swiss National Science Foundation • Program Manager Bridge
2012–2015 Swiss National Science Foundation • Scientific Officer
2007–2012 Synthes GmbH
2003–2007 ETH Zürich • Doctoral Thesis
1997–2003 ETH Zürich • Studies of Materials Science
2014–2015 Certificate of Advanced Studies (CAS) in Research Management Uni Berne
2003–2007 Dr. sc. ETH at the Laboratory for Biologically Oriented Materials
1997–2003 Diploma in Materials Science, ETH

BRIDGE: A Joint SNSF and CTI initiative

BRIDGE ist das neue gemeinsame Programm des Schweizerischen Nationalfonds (SNF) und der Kommission für Technologie und Innovation (KTI). Es schafft ein neues Förderungsangebot an der Schnittstelle von Grundlagenforschung und wissenschaftsbasierter Innovation und ergänzt damit die Förderungstätigkeit der beiden Trägerorganisationen.

Bridge beinhaltet die folgenden beiden Förderungsangebote:

- Proof of Concept richtet sich an junge Forschende, die auf Basis ihrer Forschungsergebnisse eine Anwendung oder Dienstleistung entwickeln wollen. Die Projekte können sich mit allen Innovationstypen aus allen Forschungsgebieten befassen.
- Discovery richtet sich an erfahrene Forschende, die das Innovationspotenzial von Forschungsergebnissen ausloten und umsetzen möchten. Gefördert werden nur technologische Innovationen, die auch gesellschaftliche und wirtschaftliche Auswirkungen haben.



**Prof. Dr. Beat
Neuenschwander**

Expert for MicroNano Technologies of the Commission for Technology and Innovation CTI and Professor at Bern University of Applied Sciences BUAS, 3400 Burgdorf BE
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Dr. Beat Neuenschwander studied physics at the University of Bern and realized 1996 his PhD at the Institute of Applied Physics. Since 2000 he is at the BUAS where he built up the laboratory for laser micro machining and laser surface Engineering. He lectures physics and applied laser technology, is member of the Swiss Commission for Technology and Innovation CTI and head of the optics section of the Swiss Society for Optics and Microscopy SSOM.

How to write a good CTI project submission

After a short introduction of the CTI and its activities it will be explained, following the *project submission form* on which points the applicants should pay attention on and what are the do's and don't's when writing a project submission.



Dr. Andreas Gut

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Professional position at State Secretariat for Education, Research and Innovation, SERI, since July, 2016: Swiss High Level Representative

Responsibilities:

- Representation of Switzerland in the EUREKA Assembly of over 40 national High Level Representatives (ministerial representatives).
- Strategy development, positioning of Switzerland in EUREKA and project related initiatives of Switzerland with partner countries.

Support of international R&D cooperation of Swiss companies in EUREKA/Eurostars

Switzerland is a founding member of the inter-governmental EUREKA initiative. Since 30 years EUREKA connects the innovation promotion agencies in Europe and beyond to support cross-border and market-oriented R&D projects of innovative companies and R&D institutions. The presentation will highlight the opportunities of EUREKA's support instruments for Swiss project partners.



Rouslan Kats

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Rouslan Kats is the Senior Trade Commissioner at the Embassy of Canada in Bern. He joined Global Affairs Canada in 2009 and worked in Ottawa on the 2010 G8 and G20 Summits as well as on bilateral commercial relations with Eastern European states. Overseas, after working at the Embassy of Canada in Warsaw as Trade Commissioner, Rouslan served as Political Counsellor at the Embassy of Canada in Kyiv in the post-Maidan Ukraine. Before joining the Canadian Foreign Service, Mr. Kats worked for the Ministry of Culture of Quebec. Rouslan holds a B.Sc. in Physiology from McGill University and an M.Sc. in Experimental Medicine from Laval University. A native Russian speaker, Rouslan is fluent in several other languages.

Eurostar project opportunities with Canada

Rouslan Kats will provide a brief overview of the Canadian photonics sector and discuss Eurostar project opportunities between Switzerland and Canada.



Dr. Jürgen Söchtig

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Jürgen Söchtig received the PhD degree from the University of Paderborn, Germany, in 1988 with a work in integrated optics. Since 1997 he has been with the CSEM, Switzerland in the Optical Microsystems group. His activities covered a broad spectrum from grating and waveguide fabrication to packaging as well as replication and electroforming services. In 2007 he moved to industry and headed the mastering team for the fabrication of smart phone lens modules at Heptagon. In November 2014 he joined Harder & Partner and now supports the activities of Swissphotonics.

List of all Photonics related H2020 calls

Swissphotonics represents Switzerland within the Horizon2020 project Europho21. This Control and Support Action project disseminates Photonics as one of the Key Enabling Technique for Innovation. One concrete project task is the selection of calls obtained from all Horizon2020 calls that have a relation to Photonics Technologies. Two separate lists of Photonics related calls for the years 2016 and 2017 are accessible on the Photonics21 website as well as on the website of Swissphotonics. Some details of these lists will be presented. The time schedule for the new Horizon2020 Photonics calls for the period from 2018 to 2020 will be given as an outlook.



Dr. Rudolf Fryček

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Rudolf Fryček has more than 15 years' experience in the European project management and consultancy. After his experience at the DG RTD of the European Commission, he founded private consulting company AMIRES focused on EU funded development and innovation projects. The company is now managing projects with overall budget over 60 Mio. €. Rudolf is also a cooperation coach of Platinn, with mission to increase innovation capacity of SMEs.

Support for H2020 projects with business impact

The talk will be focused on efficient use of Horizon 2020 and other publically EC funded projects for business impact. The trends in public funding will be presented as well as the main success factors for these projects. Make most of this opportunity by strategically oriented business innovation of any enterprise.



Dr. Christoph S. Harder

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Dr. Christoph S. Harder received the ETH Diploma in 1979 and the Master and PhD in EE in 1980 and 1983 from Caltech, Pasadena, USA. He is cofounder of the IBM Zurich Laser Diode Enterprise which pioneered the first 980nm high power pump laser for telecom optical amplifiers and laser diodes for industrial and consumer applications with ultrahigh reliability. He is the recipient of a Fulbright scholarship and the OSA Fellow recognition. Christoph is now heading a consulting company and is cofounder of Swissphotonics and has been its president for the last few years. He has published more than 100 papers and 20 patents and has held a variety of staff and management positions at ETH, Caltech, IBM, Uniphase, JDS Uniphase, Nortel and Bookham and has volunteered on society boards and committees.

Summary and Discussion