

# Specialty optical fiber production and applications in Switzerland

invitation to a workshop supported and co-sponsored by



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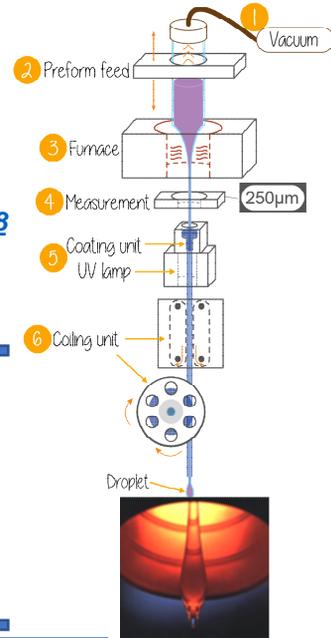


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u<sup>b</sup>

UNIVERSITÄT  
BERN  
Institut für Angewandte Physik

- **Date / Time:** Tuesday, 28. February 2023, 13:30 - 18:00
- **Venue:** SIPBB Aarbergstrasse 46, Biel/Bienne  
[www.sipbb.ch](http://www.sipbb.ch)
- **Costs:** free but registration is mandatory on either link:  
[https://www.swissphotonics.net/home?event\\_id=4228](https://www.swissphotonics.net/home?event_id=4228)  
or  
[bfh-iap-sipbb joint fiber workshop](#)



The three research institutions Bern University of Applied Sciences BFH-TI, University of Bern and Switzerland Innovation Park Biel/Bienne SIPBB jointly operate a drawing tower for optical fibers. Most of the activities are devoted to specialty optical fibers.

This Workshop will give some background to applications of specialty optical fibers and will be rounded up by a guided tour of the newly installed drawing tower and by networking breaks.

## Workshop program

- 13:30 - 13:45 **Opening message**  
Prof. Peter Brunner, BFH (Bern University of Applied Sciences)
- 13:45 - 14:00 **AM-TTC Swiss PIC: from facets to fibers.**  
Only light in a fiber is good light  
Dr. Christoph Harder, Swissphotonics
- 14:00 - 14:15 **Drawing tower in Biel: specialty optical fibers by example**  
Prof. Dr. Valerio Romano, BFH and University of Bern
- 14:15 - 14:30 **Granulated silica method for specialty optical fiber production: alumina core fibers**  
Dr. Sönke Pilz, BFH
- 14:30 - 14:45 **Specialty optical fibres: new perspectives and applications for sensing**  
Prof. Dr. Luc Thévenaz, EPFL
- 14:45 - 15:00 **Coherent combining of pulsed fiber systems**  
Prof. Dr. Alex Heidt, University of Bern

## Networking coffee break / Guided tour of drawing tower

- 15:45 - 16:00 **Self-tuning fiber laser**  
Dr. Manuel Ryser, 8Photonics GmbH and University of Bern
- 16:00 - 16:15 **Laser precision manufacturing: demands on modern fibers**  
Dr. Andreas Burn, Switzerland Innovation Park Biel/Bienne (SIPBB)
- 16:15 - 16:30 **Fiber Integration – concepts for fiber and waveguide coupling**  
Prof. Dr. Markus Michler, OST (Ostschweizer Fachhochschule)
- 16:30 - 16:45 **Processing todays and future fiber**  
Marc Leu, Head of R&D Fiber Optic Cable, HUBER SUHNER AG
- 16:45 - 17:00 **Multicore Fibers in the Telecommunications Industry**  
Dr. Blanca Ruiz, Reichle & De-Massari AG

## Apéro riche with great discussions among participants

