

October 2014

## Intermediate Report of the Swiss Photonics National Lab SNAP

### Mission

SNAP (**S**wiss **N**ational **A**pplication Laboratory for **P**hotonic tools and manufacturing) is the one-stop-shop to serve and support the Swiss industry, especially SMEs, in the field of laser machining and photonic technologies in manufacturing.

### Team (from west to east)

- HES Genève (HEPIA), Prof. Dr. Jacques Richard
- HEC Neuchâtel (Haute Ecole-ARC), Prof. Dr. Herbert Keppner
- EMPA Thun (EMPA), Prof. Dr. Patrik Hoffmann
- EMPA Dübendorf (EMPA), Dr. Rolf Brönnimann
- CSEM Alpnach (CSEM), Dr. Janko Auerswald
- UAS Burgdorf (BFH), Prof. Dr. Beat Neuenschwander
- UAS Windisch (FHNW IPPE), Beat Lüscher
- Inspire AG (at ETH Zürich), Josef Stirnimann

Meeting: about 4 times a year. At each meeting a current topic is treated topics:

- Femto, Pico, Nano Second Laser Micro Processing
- Laser Drilling
- Generative methods
- Tribological surfaces
- Burst pulses
- ...

Last workshops of the SNAP group:

- Ultrafast Lasers, ETH Zürich
- Laser-Mikrobearbeitung, Zürich
- Laser for Medical Manufacturing, FHNW Brugg-Windisch
- High speed / high precision - Laser - Microfabrication EPMT Genève

Next Workshop:

### Laser machining of ultra hard materials by ultra fast lasers

Thursday, 13.11.2014, Zurich

Next Teammeeting:

### 3D-manufacturing

Tuesday, 09.12.2014, Empa in Thun