

September 2015

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
- Burst Mode Bearbeitung
- Laser Drilling
- Additive Manufacturing
- Tribological surfaces
- Ultrashort pulse lasers and metrology
- ...

Last workshops of the SNAP group:

- Laser machining of ultra hard materials by ultra fast lasers, ETH, Zurich
- Innovative Laser Microprocessing Solutions, 04.06.2015, EPHJ • EPMT • SMT Genève

Next Workshop:

- Swiss International Year of the Light Open Day, 26.09.2015, all over Switzerland

Projects:

- various CTI projects in the field of materials processing
- Industrial projects and consultancy in the field laser processes

Next Teammeeting:

Ultrashort pulse lasers and metrology, Octobre, Haute Ecole Arc Ingénierie La-Chaux-de Fonds