

October 2014

Yearly Report of the Swiss Photonics National Lab SPPL

The Swiss Photonics Packaging Laboratory formally became active beginning of 2014. Some investments have been made to expand test and measurement capabilities of SPPL. Dedicated laboratory space has been defined and responsible personnel has been allocated for equipment and facilities.

During the first months of presence the focus was to establish a network with established companies and institutions in Switzerland and abroad during various events, specifically:

- SPIE Photonics West Conference in San Francisco
- Rheintal Photonics Roundtable at NTB in Buchs
- Photonics 21
 - Annual Meeting in Brussels
 - Workgroup 6 Workshop in Berlin
- Workshop Biophotonics - Photonics in Life Sciences, at CSEM in MuttENZ
- Micro Day 14 by M CCS in Lucerne
- EPIC Photonic Packaging for Effective Manufacturing Workshop in Berlin

An important role plays the active participation in the Photonics 21 workgroup 6 on Design and Manufacturing of Components and Systems, where key influencers on a European scale can be directly addressed.

Currently, SPPL is involved in about 10 photonic related research and development projects with a total volume of more than 8 MCHF. Further, the SPPL facilities were used by a number of Swiss companies for a number of service tasks, where the details cannot be disclosed to the public. Specifically among these activities were high resolution optical measurements of laser spectra, mounting of photonic crystals on heat sinks and hermetic sealing of optoelectronic devices.

As a new member to SPPL the EMPA Laboratory for Joining Technologies and Corrosion will join the activity. Further partners are currently under evaluation.

In the planning is a workshop in spring 2015 to further promote the mission of SPPL and a further expansion of capabilities with new equipment.