



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
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Swiss Confederation

Commission for Technology and Innovation CTI

Event 2011

CTI Micro and Nano Technologies

19th May 2011, 09.00 – 17.00, TRAF0 Halle, Baden

Focus and objectives

Micro- and Nanotechnologies are two areas of interest for Swiss research institutions as well as for the Swiss industry. These growing fields present business opportunities for SMEs and large companies which need to be explored with research and development projects. It is the aim of the CTI to support Swiss industry in this endeavor by financing R&D projects in cooperation with researchers.

The cooperation of scientists of research organisations with development departments of innovative Swiss companies in projects leads to exciting results and finally enables a commercial success.

This year, CTI will provide an open forum to interested partners in the fields of nanotechnologies and its neighbouring fields such as MEMS, microsystems, Photonics and Lasertechnologies. The event will be held in parallel to the Swiss NanoConvention which itself is focussed on basic research in nanotechnologies.

In its funding activities, CTI is pursuing the following objectives

- **Strengthen the cooperation between industry and research and know-how transfer in both directions.**
- **Continued training of young researchers through well-defined industrial R&D project work**
- **Use of latest technologies for innovative new products and applications, in start-up companies as well as in established industrial firms.**

This event is primarily addressing representatives from industry and universities. Recent projects supported by CTI will be presented. These examples demonstrate successful cooperations and are meant to stimulate ideas for new projects, products and cooperations.

Program

- from 08:30** Registration
- 09:00-10:30** Free access to the plenary talks of Swiss NanoConvention
- 10:30** **Coffee break**
- 11:00** Welcome, *Martina Hirayama and Raymond Zehring, Head of CTI Micro and Nano Technologies*
- 11:10** Energy Harvesting, *Christopher Hierold, ETH Zurich*
- 11:45** First Blue SLEDs in the world are Swiss, *Christian Velez, Exalos AG*
- 12:05** Poster presentations
- 12:30** **lunch & poster session**
- 14:00** Chips for Life, *Emmanuel Delamarche, IBM*
- 14:20** Transparent Fabric Electrodes for Organic Photovoltaics, *Frank Nüesch, EMPA*
- 14:40** Magnetic Levitation Technology for Industrial High-Purity Applications, *Thomas Nussbaumer, Levitronix GmbH*
- 15:00** Optoelectronic assembly of high-power laser diodes, *Norbert Lichtenstein, Oclaro AG*
- 15:30** **Coffee break**
- 16:00** Strategy of CTI's innovation support, *Walter Steinlin, President of CTI*
- 16:30** **Final discussion followed by an aperitif**

Information

FSRM Neuchâtel | 032 720 0900 | fsrm@fsrm.ch

Registration

Free of charge, but mandatory on www.fsrm.ch before 11th May 2011