

MicroNanoFabrication Annual Review Meeting

Date: Tuesday May 6th, 2014

Time: 09h30 – 17h00

Place: EPFL, Forum Rolex Learning Center, RLC E1 240

Program:

- 09h30-10h00** Coffees and Croissants, Distribution of Badges and Proceedings
- 10h00-10h05 **Demetri Psaltis**, *Dean of Engineering*, Welcome address
- 10h05-10h15 **Philippe Renaud and Philippe Flückiger** (<http://cmi.epfl.ch>), Introduction
- 10h15-10h35 **WeiLeun Fang** (*MicroDevice Laboratory, National Tsing Hua University, Hsinchu, Taiwan*), CMOS MEMS: a key technology towards the more than Moore era
- 10h35-10h55 **Francesco Stellacci** (<http://sunmil.epfl.ch>), Unconventional way for light detection and light-matter interactions
- 10h55-11h15 **Andras Kis** (<http://lanes.epfl.ch>), MoS2 and two-dimensional electronics
- 11h15-11h45** **Break**
- 11h45-12h00 **Bart Deplancke** (<http://deplanckelab.epfl.ch>), Linking microfluidics with high-throughput sequencing to study the DNA binding principles of transcription factors
- 12h00-12h15 **Hatice Altug** (<http://people.bu.edu/altug>), Integrated nano-plasmonics for ultra-sensitive vibrational spectroscopy and high-throughput bio-sensing
- 12h15-12h30 **Michel Despont** (<http://csem.ch/>), MEMS, enabler in product innovation
- 12h30-14h00** **Lunch & Poster Session**
- 14h00-14h15 **Martin Gijs** (<http://lmis2.epfl.ch/>), Sensitive immunoassays and accurate cancer diagnosis using microfluidics
- 14h15-14h30 **Guillermo Villanueva** (<http://nems.epfl.ch/>), Resonant micro and nano mechanical sensors
- 14h30-14h45 **Loïc Jacot-Descombes** (<http://www.microresist.de>), Microlenses by inkjet printing on pre-patterned substrate and technology transfer to production environment
- 14h45-15h15** **Break**
- 15h15-15h30 **Nicolas Abelé** (<http://www.lemoptix.com/>), MEMS mirror-based laser projector, a technology platform ranging from wearable display, gesture control, mobile to heads-up display applications
- 15h30-15h45 **Christophe Ballif** (<http://pvlab.epfl.ch/> & <http://csem.ch/>), Cost effective patterning and microstructures for high efficiency silicon photovoltaic
- 15h45-17h00** **Cocktails & Poster Session**