Laser Seminar
Thursday, April 16, 2015

Time	16.45
Location	ETH Zurich, Hönggerberg, HPT E13
Speaker	Erwin Bente, Department of Electrical Engineering, COBRA Research Institute, Technische Universiteit Eindhoven, Netherlands
Title	Integrated Indium Phosphide based modelocked lasers
Abstract	In this presentation recent results will be discussed that were obtained in the area of monolithically integrated modelocked semiconductor laser systems operating around 1550nm that were fabricated using generic InP based integration platform technology. Standardised parametrised components defined in this technology platform, such an optical amplifier and absorber, phase modulator and passive waveguides, can be used to design and realise modelocked laser systems on a single chip. After an introduction to the technology, results will be presented on a) a study into the best choice for positioning the saturable absorber in a passively modelocked linear laser and b) development of a chip with two modelocked ring lasers at 2.5 GHZ repetition rate for application in spectroscopy.
Host	Ursula Keller, Ultrafast Laser Physics, IQE
More Info	http://www.opteth.ethz.ch/news/laser_seminar

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