

SMYLE Workshop EPFL & FEMTO-ST “Photonic Seminar”

8:30	Coffee
9:00-9:10	Welcome & Introduction: FEMTO-ST
9:10 –9:35	Flatland Optics <u>Hans Peter Herzig</u> , EPFL-Opt
9:35 –10:00	Is Lithium Niobate the silicon of Photonics ? <u>Maria-Pilar Bernal</u> , FEMTO-ST-Optique
10:00 –10:25	Learning Approach to Optical Tomography <u>Demetri Psaltis</u> , EPFL-LO
10:25	Coffee break
10:50–11:15	Mems for Optics : focus on the on-chip microscopy <u>Christophe Gorecki</u> , FEMTO-ST-MN2S
11:15 –11:40	CMOS Image Sensing Beyond the Visible/Near-Infrared Spectral Range <u>Peter Seitz</u> EPFL-ESPLAB
12:00	Lunch
13:10 –14:20	Round table , moderator: H.P. Herzig
14:20 –14:45	Tailoring material properties using ultrafast lasers: from non-linear matter interactions to applications in microengineering <u>Yves Bellouard</u> , EPFL-Lab Galatea
14:45-15:10	Extreme nonlinear dynamics in photonics: rogue waves, filamentation, and brain-inspired processing <u>François.Courvoisier</u> , FEMTO-ST-Optique
15:10-15:35	Ultrafast lasers and frequency combs: towards compact and reliable systems for real-world applications <u>Thomas Südmeyer</u> , Unine-LTF
15:35-16:00	Specialty Optical Fibers for Nonlinear Optics <u>Thibaut Sylvestre</u> , FEMTO-ST-Optique
16:00 –16:30	Conclusion of Seminar