Photonics Day November 3, 2017
at EPFL Rolex Forum

09:00 Welcome, coffee, pastries and setting up of EDPO posters
09:30 Introduction by Prof. Hatice Altug
09:40 Prof. Naomi Halas, Halas Nanophotonics Group, Rice University
   Plasmonics: sustainable materials and light-capturing applications
10:25 Dr Emanuel Loertscher, IBM Zurich
   Static and mechanically actuated nanophotonic antennas for single-molecule spectroscopy
10:55 Coffee break
11:15 Dr Markus Mangold, IRsweep AG
   Single-shot sub-microsecond mid-infrared spectroscopy with quantum cascade laser frequency combs
11:30 PhD presentations in 180 sec
   Prizes for the best presentation
12:00 Lunch
13:30 Peter Nordlander, Nordlander Nanophotonics Group, Rice University
   Quantum plasmonics and hot carrier generation and applications
14:15 Thesis in 2016 Award and Swissphotonics excellence fellowship
14:25 Prof. Romain Fleury, EPFL, Laboratory of Wave Engineering (LWE)
   Crystalline metamaterials for wave manipulation at subwavelength scale
14:55 EPC presentation
   Best Poster Award
15:10 Dr Yixing Chen, EPFL, Laboratory for Fundamental BioPhotonics (LBP)
   A single ion impacts a million water molecules - Insights from nonlinear spectroscopy
15:25 Dordaneh Etezadi, Laboratory of Bionanophotonic Systems (BIOS)
   Nanoplasmonic mid-infrared biosensor for protein conformation detection
15:40 Dr Davide Grassani, EPFL, Photonic Systems Laboratory (PHOSL)
   Second harmonic generation in silicon nitride
15:55 Sergey Fedorov, EPFL, Laboratory of Photonics and Quantum Measurements (LPQM1)
   Quantum correlations of light from a room temperature mechanical oscillator
16:10 End conclusion and EPC apéro