Interuniversity Attraction Poles (IAP) - Phase VII

Belgian Science Policy Office

belspo

Photonics@be

Towards smart Photonics in 2020

Annual meeting

VUB – October 14, 2016.

Programme

Location : Vrije Universiteit Brussel
D2.01 (promotiezaal "Aloïs Gerlo")
Pleinlaan 2
1050 Brussels

9:00 – 9:10	**General introduction** by Serge MASSAR (ULB-OptIQ)
9:10 – 9:55	**WP1 : Hybrid materials for smart photonic devices** "InP-based QDs - towards independently tunable absorption and emission characteristics " by Mickaël D. TESSIER (UGent-FCN) Overview of achievements and future directions by Zeger HENS (UGent-FCN) and Jeroen BEECKMAN (UGent-EOS)
9:55 – 10:40	**WP2 : Smart light sources** "Distributed measurement of supercontinuum generation in highly nonlinear optical fibers" by Régis HONTINFINDÉ (UMONS-ARO) Overview of achievements and future directions by Bjorn MAES (UMONS-ARO) and Marc WUILPART (UMONS-ARO)
10:40 – 11:10	**Coffee break**

11:10 – 11:55	**WP3 : Downscaling photonics** "Novel microfluidic devices for Raman spectroscopy and optical trapping" by Qing LIU (VUB-PHOT) Overview of achievements and future directions by Dries VAN THOURHOUT (UGent-PRG)
11:55 – 12:40	**WP4 : Smart light processing** "Nonlinear optical functionalities of graphene-covered silicon waveguides" by Nathalie VERMEULEN (VUB-PHOT) "Optical feedback dynamics of tunable semiconductor ring lasers " by Mulham KHODER (VUB-PHOT) Overview of achievements and future directions by Pascal KOCKAERT (ULB-OptIQ)
12:40 – 14:10	**Lunch** ***Board meeting***
14:10 – 14:55	**WP5 : Novel computing paradigms** "Design of chip-based photonic reservoir computing with integrated readout" by Andrew KATUMBA (UGent-PRG) Overview of achievements and future directions by Serge MASSAR (ULB-OptIQ)
14:55 – 15:25	**Novel expertise & experimental tools for future IAP project** "Two-photon polymerization-based 3D printing" by Jürgen VAN ERPS (VUB-PHOT) "New ebeam-lithography tool at UGent: a new platform for collaborations" by Dries VAN THOURHOUT (UGent-PRG)
15:25 – 15:55	**Coffee break**
15:55 – 16:30	**Summary by the catalysts; ideas for future directions** Bjorn MAES (UMONS-ARO) and Nicolas LE THOMAS (UGent-PRG)
16:30 – 16:35	Conclusions by Peter BIENSTMAN (UGent-PRG)
16:35 – 17:35	Lab visit