



Photronics@be
Towards smart Photonics in 2020

Annual meeting
UMONS – October 10, 2014.
Programme

Location :

UMONS, Faculté Polytechnique
Salle Académique, 1st floor
Boulevard Dolez 31
7000 Mons
Phone : 065 37 41 47

9:30 – 9:40	General introduction by Philippe EMPLIT (coordinator, ULB-OptIQ)
9:40 – 10:00	Project overview by the catalysts , Nicolas LE THOMAS (UGent-PRG)
10:00 – 10:25	WP1 : Hybrid materials for smart photonic devices Overview of WP1 by Zeger HENS (UGent-FCN)
10:25 – 10:50	WP2 : Smart light sources Overview of WP2 by Marc WUILPART (UMONS-ARO) <i>"Supercontinuum formation and the formation of rogue waves in a fiber cavity"</i> by Zheng LIU (USTL-IRCICA) <i>"AC-driven QD LEDs"</i> by Zhenxing ZHANG (UGent-FCN)
10:50 – 11:10	Coffee break

Interuniversity Attraction Poles (IAP) - Phase VII

11:10 – 11:35	WP3 : Downscaling photonics Overview of WP3 by Dries VAN THOURHOUT (UGent-PRG) <i>“Self-centering fiber alignment structures”</i> by Evert EBRAERT (VUB-PHOT)
11:35 – 12:00	WP4 : Smart light processing Introduction to WP4 by Pascal KOCKAERT and Gregory KOZYREFF (ULB-OptIQ) <i>“Cavity solitons in VCSELs”</i> by Etienne AVERLANT (ULB-OptIQ) <i>“Supercontinuum generation in amorphous silicon at telecom wavelengths”</i> by Simon-Pierre GORZA (ULB-OptIQ)
12:00 – 12:25	WP5 : Novel computing paradigms Overview of WP5 by Joni DAMBRE (UGent-EOS)
12:25 – 14:10	Lunch <div style="text-align: center;">13:10 – 14:10 Board meeting</div>
14:10- 14:55	Workshop 1 : Green photonics 14:10- 14:25 <i>“Angle-specific transparent conducting electrodes”</i> by Nicolas RIVOLTA (UMONS-ARO) 14:25-14:55 <i>“Energy-per-bit limits of integrated photodetectors”</i> by Pierre WAHL (Luceda Photonics) <i>INVITED SPEAKER</i>
14:55-16:30	Workshop 2 : From fundamental studies to applications in photonics 14:55- 15:35 <i>“Electromagnetic properties of viscous charged fluids”</i> by Davide FORCELLA (ULB) <i>INVITED SPEAKER</i>
15:35 – 15:45 Coffee break	
	15:45 – 16:15 <i>“Low-cost laser sources and devices based on active fibers”</i> by Andrei FOTIADI (UMONS-ARO) 16:15 – 16:30 <i>“Plasmonic optical fiber immunosensors for in situ medical diagnosis”</i> by Valérie VOISIN (UMONS-ARO)
16:30– 16:35	Conclusion by Philippe Emplit
16:35– 17:30	Lab visits