

## PROGRAMME

Thursday, 05.11.2009

- 16:30: registration open
- 18:00 Welcome (Prof. J Danckaert, Symposium Chair)
- 18:15 "Nematicons: Spatial Optical Solitons in Nematic Liquid Crystals", Gaetano Assanto (IEEE PHOTONICS SOCIETY Distinguished Lecturer)
- 19:00 "Towards merged optical metro-access networks", Thomas Pfeiffer ALCATEL-Lucent
- 19:45 Posters
- 20:30 Dinner served

Friday, 06.11.2009

- 8:45 Registration Open
- 9:00 "Micropillar Cavity Lasers in the Cavity Quantum Electrodynamics Regime", S. Höfling, University of Wuerzburg (Germany)
- 9:45 "Semiconductor Ring Lasers for all-optical Flip-Flop and signal processing", Guido Giuliani, University of Pavia (Italy)
- 10:30 "Grid Computing" BELNET, The network of Knowledge
- 10:40 Coffee break

### Parallel Session 1a

- 11:00 "Low-Speckle laser projection using farfield nonmodal laser emission of a semiconductor laser", G. Craggs, Vrije Universiteit Brussel
- 11:20 "Al<sub>2</sub>O<sub>3</sub>:Er<sup>3+</sup> as a broad gain medium for 1.53-um integrated optics application", J.D.B.Bradley, University of Twente
- 11:40 "Quantum dot twin stripe lasers as emitter and receiver in chaotic encrypted communication systems", J. Pozo (TU/e Eindhoven)
- 12:00 "Optical gradient dipole forces for nanophotonic devices on a silicon-on-insulator chip", J Roels (University of Ghent)

### Parallel Session 1b

- 11:00 "All-optical signal processing with standard edge-emitting laser diodes", K. Huybrechts (University of Gent);
- 11:20 "Non-dispersive chirped fiber Bragg grating component for ultrafast optical communications", C. Caucheteur (University of Mons)
- 11:40 "Optical wireless communication using SOI technology", K. Van Acoleyen (University of Gent)
- 12:00 "Manipulating frequency entangled photons" L.Olislager (ULB Brussels)
- 12:20 POSTERS
- 13:00 Walking Lunch

### Parallel Session 2a

- 14:00 "Label-free enzyme sensing with grated silicon photonic wire", L.J.Kauppinen University of Twente;
- 14:20 "Refractive index sensing sensing with an InGaAsP photonic crystal membrane cavity by means of photoluminescence", E.C.I. Ryckebosch, TU/e Eindhoven
- 14:40 "DNA separation and fluorescence monitoring by integrated waveguides in an optofluidic chip", C. Dongre University of Twente;

15:00 "Perfect absorption in thin NbN films", E.F.C. Driessen University of Leiden

Parallel Session 2b

14:00 "Tuning SOI filters structures with liquid crystals" W.De Cort University of Ghent

14:20 "Neodymium-complex-doped steady-state polymer waveguide lasers", J.Yang  
University of Twente

14:40 "Deeply etched DBR Gratings for photonic integrated circuits and tunable laser"  
B.Docter, TU/e Eindhoven

15:00 "Subwavelength confinement of light", V. Ginis VUB Brussels

15:20 Coffee break

15:40 Closing remarks / poster award