
Photonics@be Doctoral School - March 16-18, 2009

Program of the Photonics@be doctoral school 2009

Monday March 16th, 2009

- 08.00 - 09.00 Arrival of participants
- 08.30 - 09.00 Coffee with croissants
- 09.00 - 09.30 "Introduction", *Philippe Emplit*
- 09.30 - 11.00 "Basics of lasers" (part 1), *Eric Stijns*, VUB, Belgium
- 11.00 - 11.30 Coffee break
- 11.30 - 13.00 "Basics of lasers" (part 2), *Eric Stijns*, VUB, Belgium
- 13.00 - 14.30 Lunch
- 14.30 - 16.00 "Wavelength conversion with nonlinear optics" (part 1), *Majid Ebrahim-Zadeh*, ICREA and ICFO Barcelona, Spain
- 16.00 - 16.30 Coffee break
- 16.30 - 18.00 "Wavelength conversion with nonlinear optics" (part 2), *Majid Ebrahim-Zadeh*, ICREA and ICFO Barcelona, Spain
- 18.00 - 19.00 Board meeting
- 19.30 - 22.30 Barbecue

Tuesday March 17th, 2009

- 08.00 - 09.00 Breakfast
- 09.00 - 10.30 "Power scaling of high brightness fiber lasers" (part 1), *Thomas Schreiber*, Fraunhofer-Institut für Angewandte Optik und Feinmechanik, Jena, Germany
- 10.30 - 11.00 Coffee break
- 11.00 - 12.30 "Power scaling of high brightness fiber lasers" (part 2), *Thomas Schreiber*, Fraunhofer-Institut für Angewandte Optik und Feinmechanik, Jena, Germany

12.30 - 14.00	Lunch
14.00 - 15.30	"Advances in short pulse lasers" (part 1), <i>Pascal Kockaert</i> , ULB, Belgium
15.30 - 16.00	Coffee break
16.00 - 17.30	"Advances in short pulse lasers" (part 2), <i>Pascal Kockaert</i> , ULB, Belgium
19.00 - 20.30	Dinner
20.30 - 21.30	"Entertaining evening lecture", <i>Lex van der Meer</i> , Felix/Felice Rijnhuizen, The Netherlands

Wednesday March 18th, 2009

08.00 - 09.00	Breakfast
09.00 - 10.30	"Advances in laser materials & miniaturization" (part 1), <i>Andrea Fiore and Gunther Roelkens</i> , TU Eindhoven, The Netherlands and UGent, Belgium
10.30 - 11.00	Coffee break
11.00 - 12.30	"Advances in laser materials & miniaturization" (part 2), <i>Andrea Fiore and Gunther Roelkens</i> , TU Eindhoven, The Netherlands and UGent, Belgium
12.30 - 14.00	Lunch
14.00 - 14.20	Raman lasers, <i>Nathalie Vermeulen</i> , VUB
14.20 - 14.40	Optical injection and chaos synchronizations in VCSELs, <i>Ignace Gatare</i> , VUB
14.40 - 15.00	Spatially incoherent laser emission and its applications, <i>Gordon Craggs, Guy Verschaffelt, Falko Riechert, Ingo Fischer</i> , VUB
15.00 - 15.20	The dynamical behaviour of semiconductor ring lasers, <i>Guy Van der Sande, Lendert Gelens, Stefano Beri, Guy Verschaffelt, Jan Danckaert</i> , VUB
15.20 - 15.40	Coffee break
15.40 - 16.00	Modulational instability laser, cavity soliton, <i>François Leo</i> , ULB
16.00 - 16.20	Photon pair generation in silicon waveguides, <i>Stephane Clemmen</i> , ULB
16.20 - 16.40	Laser diode based all-optical flip-flops, <i>Rajesh Kumar</i> , PRG
16.40 - 17.00	Bi-doped fiber lasers: opportunities and problems, <i>Igor Razdobreev</i> , Lille

17.00 - 17.10 Concluding remarks, *P. Emplit*