TENTATIVE PROGRAM

Advanced Study Institute on Optical Waveguide Sensing and Imaging
October 12-21, 2006, Holiday Inn Plaza la Chaudière, Gatineau

Wednesday, October 11 Arrival of participants

Thursday, October 12

07:00am - 08:20am	Breakfast	
08:20am - 08:30am	Official opening – Bock, Gannot, Tanev	
08:30am - 09:30am	*Sensors and active devices based on hybrid photonic crystal fiber and planar structures-I*	A. Bjarklev
09:30am - 10:30am	*Reliability of optical components*	F. Berghmans
10:30am - 11:00am	Coffee break	
11:00am - 12:00pm	*Fiber-optic biosensors and nanobiosensors - fundamentals*	I. Ilev
12:00pm - 01:00pm	Lunch	
02:45pm - 03:00pm	Coffee break	
03:00pm - 04:00pm	*Novel sensing mechanisms using tilted fiber Bragg gratings-I*	J. Albert
04:00pm - 05:00pm	*Silicon-based microphotonics for biosensing applications*	S. Janz

Friday, October 13

07:00am - 08:30am	Breakfast	
08:30am - 09:30am	*Sensors and active devices based on hybrid photonic crystal fiber and planar structures-II*	A. Bjarklev
09:30am - 10:30am	*Ionising Radiation Effects on Optical Components*	F. Berghmans
10:30am - 11:00am	Coffee break	
11:00am - 12:00pm	*Fiber-optic biosensors and nanobiosensors - applications*	I. Ilev
12:00pm - 01:00pm	Lunch	
02:45pm - 03:00pm	Coffee break	
03:00pm - 04:00pm	*Novel sensing mechanisms using tilted fiber Bragg gratings-II*	J. Albert
04:00pm - 05:00pm	*Enhanced fluorescence-based sensors-I*	B. MacCraith
06:30pm - 09:30pm	Opening reception	

Saturday, October 14

07:00am - 09:00am	Breakfast	
09:00am - 10:00am	*Enhanced fluorescence-based sensors-II*	B. MacCraith
10:00am - 11:00am	*Fiber sensor for health monitoring of civil structures-I*	X. Bao
11:00am - 11:15am	Coffee break	
11:15am - 12:15pm	*Applications of traditional and long period fiber Bragg gratings*	T. Eftimov
12:15pm - 01:30pm	Lunch	
02:45pm - 03:00pm	Coffee break	
03:00pm - 05:00pm	Interest groups meetings	

Sunday, October 15

07:00am - 09:00am	Breakfast	
09:00am - 12:00am	Excursion	
12:00am - 01:00pm	Lunch	
02:45pm - 03:00pm	Coffee break	
03:00pm - 04:00pm	*Waveguide platforms for detection of DNA hybridization*	U. Krull
04:00pm - 05:00pm	*Fiber sensor for health monitoring of civil structures-II*	X. Bao
05:00pm - 06:00pm	*Photonics simulation tools and biomedical imaging*	S. Tanev

Monday, October 16

ADVANCED TECHNOLOGY COMMERCIALIZATION WORKSHOP – Tentative program

Morning session: Academic Research Commercialization Best Practices

08:00am-08:10am	Official opening: UofO, CU and UQO Executives
08:10am-08:35am	Alastair Glass, Deputy Minister, Ontario Ministry of Research & Innovation (invited but not confirmed) *Academic Research Commercialization within a Global Economy Context*
08:35am-09:00am	Geoff Barton, The University of Sydney, Australia *The Long Road from Photonics Laboratory to Marketplace*
09:00am-09:25am	Yuji Matsuura, Tohoku University, Japan *Biomedical Photonics Commercialization in Japan*
09:25am-09:50am	Ilko Ilev, Science and Engineering Laboratories, U.S. FDA *An Optical Scientist's View of Commercialization Opportunities at the FDA*
09:50am-10:15am	Sylvain Charbonneau, Director of Applications Technologies, NRC Canada *The Commercialization Strategy of CPFC*
10:15am-10:30am	Coffee break
10:30am-10:55am	Rick Claus, Virginia Tech and NanoSonic, Inc, USA *Commercialization of Optical Nanotechnologies*
10:55am-11:10pm	Stephane Lessard, Global Partnership Program, Foreign Affairs Canada *The Global Partnership Program – an International Technology Commercialization Vehicle*
11:10am-11:35pm	Karl-Friedrich Klein, University of Applied Sciences, Friedberg, Germany *Photonics Commercialization Experiences in Germany*
11:35am-12:00pm	Julian Jones, Heriot-Watt University, Edinburgh, UK *Knowledge Transfer and Universities: a UK Perspective*
12:00pm-12:30pm	Panel discussion
12:30pm-02:00pm	Lunch and networking

Afternoon session: International Advanced Technology Showcase Forum

02:00pm-06:00pm	Poster presentations and networking involving: • Academic and Government Research Groups from Canada, Israel, Ireland, Russia, Ukraine, Germany, United Kingdom, Japan, Belgium, Denmark, USA • Industry representatives
06:00pm-09:00pm	Reception, networking and closing of the Technology Showcase Forum

Tuesday, October 17

07:00am - 08:30am	Breakfast	
08:30am - 09:30am	*Self-assembled nanostructured fibers and sensors*	Rick Claus
09:30am - 10:30am	*UV, x-ray laser and Raman waveguides for medical treatments-I*	Y. Matsuura
10:30am - 11:00am	Coffee break	
11:00am - 12:00pm	*Microfluidics for waveguide-based DNA biosensors*	U. Krull
12:00pm - 01:00pm	Lunch	
02:45pm - 03:00pm	Coffee break	
03:00pm - 04:00pm	*New analytical applications of UV-waveguides*	K.-F. Klein
04:00pm - 05:00pm	*UV, x-ray laser and Raman waveguides for medical treatments-II*	Y. Matsuura

Wednesday, October 18

07:00am - 08:30am	Breakfast	
08:30am - 09:30am	*Polarized light imaging of skin surface effects*	J. C. Ramella-Roman
09:30am - 10:30am	*Gas-sensing with Hollow-Core-Waveguides*	K.-F. Klein
10:30am - 11:00am	Coffee break	
11:00am - 12:00pm	*Optical fiber interferometric sensing systems-I*	Julian Jones
12:00pm - 01:00pm	Lunch	
02:45pm - 03:00pm	Coffee break	
03:00pm - 04:00pm	*Sensors for the smart medical home*	Israel Gannot
04:00pm - 05:00pm	*Modeling of polarized light transport into scattering media: Polarized light Monte Carlo*	J. C. Ramella-Roman

Thursday, October 19

07:00am - 08:30am	Breakfast	
08:30am - 09:30am	*Optical fiber interferometric sensing systems-II*	Julian Jones
09:30am - 10:30am	*Infrared fiber optic sensors*	J. Harrington
10:30am - 11:00am	Coffee break	
11:00am - 12:00pm	*FTIR ATR infrared fiber sensors for environmental and bio-chemical reactor monitoring-I*	L. Butvina
12:00pm - 01:00pm	Lunch	
02:45pm - 03:00pm	Coffee break	
03:00pm - 04:00pm	*Optical fiber nanoparticle bioimaging*	Israel Gannot
04:00pm - 05:00pm	*Photonic liquid crystal fibers - new sensing opportunities-I*	T. Wolinski
06:00pm - 09:30pm	Poster presentations with reception	

Friday, October 20

07:00am - 08:30am	Breakfast	
08:30am - 09:30am	*Laser power delivery using infrared fiber optics*	J. Harrington
09:30am - 10:30am	*Optical fiber sensing technologies for explosive detection*	W. Bock
10:30am - 11:00am	Coffee break	
11:00am - 12:00pm	*Photonic liquid crystal fibers - new sensing opportunities-II*	T. Wolinski
12:00pm - 01:00pm	Lunch	
02:45pm - 03:00pm	Coffee break	
03:00pm - 04:00pm	*Scientific misconduct*	J. Harrington
04:00pm - 05:00pm	*FTIR ATR infrared fiber sensors for environmental and bio-chemical reactor monitoring-II*	L. Butvina

Saturday, October 21

08:30am - 09:30am	Executive breakfast and closing	
09:30am - 12:00am	Interest groups meetings	
12:00pm - 01:00pm	Lunch	
	Departure of participants	