

**Workshop on Information Optics (WIO 2012)**  
Quebec City (Canada), 20-24 August, 2012

	Monday 20	Tuesday 21	Wednesday 22	Thursday 23	Friday 24
9h30-10h	<i>Opening Session</i>	Enrique Tajahuerce Advanced imaging techniques by compressive sensing	Pierre Marquet Digital Holographic Microscopy applied to Neurosciences	Kazuyoshi Itoh Coherent Raman Fast Spectral Microscopy	Thierry Fournel Contrast and moiré in Visual cryptography
10h - 10h30	<b>Opening Keynote Speaker</b> Yeshaiahu Fainman Active Nanophotonics	Takashi Kakue Observation of femtosecond light pulse propagation by digital holography	Miguel Alonso Simple methods for measuring spatial coherence and their relation to the Wigner function	Karl-Heinz Brenner High resolution wavefront sensing with non-interferometric techniques	Adrian Stern Anamorphic optics for compressive imaging and compressive motion tracking
10h30 - 11h	<b>Coffee Break</b>				
11h - 11h30	Jesper Glückstad Optical robotics in mesoscopia	José Manuel Rodríguez Ramos Real time CUDA implementation and applications of the geometric sensor	Jung-Young Son A Layered Type Holographic Display	Rainer Leitgeb Open Quests in Optical Coherence Microscopy	10h30 - 11h Chandra S Yelleswarapu Dual-plane in line digital holographic microscopy
11h30 - 12h	Yoshio Hayasaki Three-dimensional position measurement of gold nanoparticles trapped in optical tweezers using in-line low-coherence digital holography	Masahiro Yamaguchi Full-parallax 3D image capture by scanning vertical camera array	Jorge Iván García Sucerquia White-light light-emitting diode to simplify color digital lensless holographic microscopy	Marc Brunel Transfer matrices formalism for the design of complete laser diagnostic systems: applications in Femtosecond Digital Holography and in Interferometric Laser Imaging Droplet Sizing	11h00 - 11h30 Jean-Marie Becker On discrete Fourier transform of special polynomials 11h30 - 12h00 Conference closing remarks
12h - 13h30	<b>Lunch</b>				
13h30 - 14h	Zeev Zalevsky On-axis holographic high performance 3D imaging using time multiplexing particles encoding	Arun Anan Single beam microscopy for quantitative cell imaging	Michel Piché Transverse electric and magnetic laser beams for extreme optics	<b>Conference Keynote Speaker</b> Nasser Peyghambarian Holographic 3D display and telepresence using photorefractive polymers	
14h - 14h30	Kazuo Kuroda Reconstruction characteristics of polarization holograms	Jean-Pierre Bouchard Metrology of optical properties of tissue phantom	Dongkyung Nam Complexity Analysis in Holographic 3D Video Generation	Bahram Javidi Three-dimensional photon counting imaging	
14h30 - 15h	Lluís Martínez León Spatio-temporal control of ultra-short pulses by using diffractive optical elements	<i>Poster Pop Session</i>	Peter de Groot Interferometric methods of 3D surface structure analysis	Jocelyn Parent Controlled Distortion: A new tool in modern lens design	
15h - 15h45	<b>Coffee Break</b>				
15h45 - 16h15	Simon Thibault Using Wavefront Coding in presence of non symmetric aberrations	<i>INO visit cocktail</i>	<i>Visit COPL (Université Laval)</i>	Toyohiko Yatagai Full view-angle computer-generated hologram by a fast calculation method based on rigorous diffraction theory	
16h15 - 16h45	Yunlong Sheng Robust object detection in aerial imagery			Valery Milner Frequency-resolved polarization-modulation spectroscopy	
17h - 17h30	<i>Conference welcome reception</i>				
17h30 - 18h					
18h - 19h			<i>Poster session</i>		
19h - 20h					<i>Conference Reception sponsored by Immervision</i>
20h - 21h		<i>Dinner downtown</i>	<i>Conference Banquet</i>		<i>Louis-Jolliet cruise on St-Lawrence River</i>
21h - 22h					