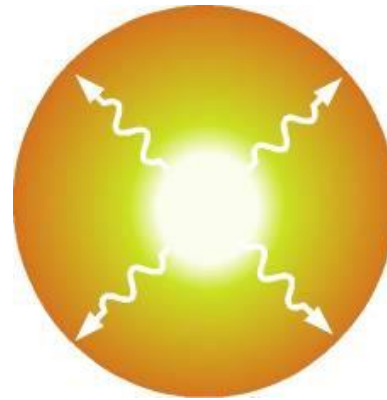


PRELIMINARY PROGRAM

(5v00)

Seventh International Conference on Optical, Optoelectronic and Photonic Materials and Applications 2016



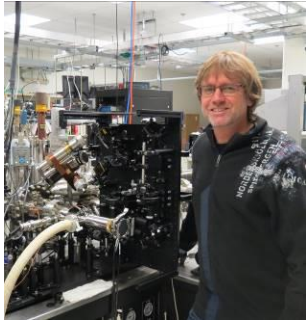
Montreal, 13 - 17 June 2016

Seventh International Conference on
Optical and Optoelectronic Properties of Materials and Applications



Program is subject to change without notice before the final version

June 13, Monday (Mo)

09:00	Registration		
	Note: No lunch is available on Monday		
	BELL LECTURE THEATRE		
13:30	OPENING: Raman Kashyap, Younes Messaddeq and Carlos Silva		
14:00	PLENARY Bell Theatre Chair: David Cooke, McGill Frank Hegmann, University of Alberta Nanoscale imaging with ultrafast terahertz scanning tunneling microscopy		
15:00	Coffee Break (Atrium)		
15:15			
15:30	A1 Terahertz and Femtosecond Chair: Frank Hegmann (University of Alberta, Canada)		Mo-C1 Integrated Optics and Photonic Devices and Systems Chair: Raman Kashyap (Polytechnique Montreal, Canada)
15:30	* Mo-A1-I1 James Lloyd-Hughes (University of Warwick, UK) Spin-orbit coupling probed in 2D materials using terahertz time-domain spectroscopy		* Mo-C1-I1, Luis Romero (INRS, Canada) Energy-Preserving Arbitrary Repetition Rate Control of Waveform Trains
15:45			
16:00	* Mo-A1-I2 Denis Seletskiy (University of Konstanz, Germany) Time-Domain Quantum Optics: Detection of Bare Vacuum and Beyond		* Mo-C1-I2, Robert Morandotti (INRS, Canada), Quantum state generation via integrated frequency combs
16:15			
16:30	Mo-A1-O1 Dayan Ban (University of Waterloo, Canada) Competition of current-carrying channels in operating terahertz quantum cascade lasers		* Mo-C1-I3 Andre Luiten (University of Adelaide Australia) Electronic Combs: Next Generation Spectroscopic Tools
16:45	Mo-A1-O2 David Valverde (McGill University, Canada) Ultrafast multi-THz Spectroscopy of a Single Crystal Organo-Metallic Halide Perovskite		


17:00	Mo-A1-O3 Lauren Gingras (McGill University, Canada), Dynamic creation of all-optical resonators for guided THz pulses		
17:15	Mo-A1-O4 Hadi Razavipour (McGill University, Canada), Fermi energy and field dependence of nonlinear THz transmission in graphene		
17:30	Mo-A1-O5-Lyubov Titova (Worcester Polytechnic Institute, USA) Ultrafast carrier dynamics in BiVO4 thin film photoanode material: time-resolved THz spectroscopic study		17:30 END OF Mo-C1
17:45			
18:00			
18:15	RECEPTION		
20:00	END OF RECEPTION		

June 14, Tuesday (Tu) Morning

	Tu- A1 Biophotonics and Sensing I Chair: Ramaswami Sammynaiken (University of Saskatchewan, Canada)	Tu-B1 Nonlinear Effects Chair: Cyril Koughia (University of Saskatchewan, Canada)	Tu-C1 Materials for Optoelectronics Chair: Mojtaba Kahrizi (Concordia University, Canada)
09:00	*Tu-A1-I1 Tigran Galstian (Université Laval, Canada) The physics of angularly correlated molecular complexes in the service of medicine	*Tu-B1-I1 Markus Schmidt (Institute of Photonic Technology and Abbe Center of Photonics Friedrich Schiller University, Germany) Chalcogenide and Liquid Nanowires in Fibers a new base for Supercontinuum Generation	
09:15			Tu-C1-O2 Andrey Senin (Altos Photonics) DPSS Ultrafast Laser Systems Enabling Cutting-Edge Research & Applications
09:30	*Tu-A1-I2 Animesh Jha (University of Leeds, UK), Sintering of calcium phosphate biomaterials on tooth enamel with the use of femtosecond lasers	*Tu-B1-I2 Moritz Merklein (CUDOS, University of Sydney, Australia) Good vibrations: harnessing photon-phonon interactions on a chip	Tu-C1-O3 Dawood Alsaedi (University of Waterloo, Canada) Enhancing the Sensitivity and Stability of Interdigitated Reduced Graphene Oxide Gel Photodetector for photodetection applications
09:45			Tu-C1-O4 Luca Occhi (Imperial College, UK) Novel conductive solution-processable organic/inorganic material with low work function and highly tunable refractive index
10:00	Tu-A1-O1-Josep Ferré-Borrull (Universitat Rovira i Virgili, Spain), Optical characterisation of nanofluidic infiltration of nanoporous anodic alumina and its application to biosensing	Tu-B1-O1 Ameneh Bostani (Polytechnique Montreal, Canada) Fabrication of apodized step-chirped periodically poled lithium niobate for temperature-insensitive broadband frequency conversion	*Tu-C1-I1 Richard Curry (University of Surrey, UK) High-Performance Hybrid Organic-Inorganic PbS Nanocrystal Photodetectors
10:15	Tu-A1-O2 Josiah Firth (University of New South Wales Australia), Development, fabrication and modelling of a novel liquid crystal based optrode for the measurement and visualization of biopotentials in neural and myocardial tissue.	Tu-B1-O2 Leonid Mochalov (Russian Academy of Sciences, Nizhny Novgorod, Russia) Study of the optical linear and nonlinear properties of GxS90-xI10 chalcogenide glasses	
10:30	Coffee Break (Atrium)		
10:45			

11:00	Tu-A2 Biophotonics and Sensing II Chair: Tigran Galstian (Université Laval, Canada)	Tu-B2 Photonic Materials Chair: Richard Curry (University of Surrey, UK)	Tu-C2 Semiconductors Chair: Robert Johanson (University of Saskatchewan, Canada)
11:00	*Tu-A2-I1 Lluís Marsal (Universitat Rovira i Virgili Spain) Nanoporous anodic alumina photonic structures for biosensing	*Tu-B2-I1 Vassili Fedotov (University of Southampton, UK) Exploiting the full potential of liquid crystals in tunable and re-configurable metamaterials	*Tu-C2-I1 Stephen O'Leary (UBC, Okanagan, Canada) An Amorphous-to-Crystalline Phase Transition within Thin Silicon Films Grown By Ultra-High-Vacuum Evaporation and its Impact on the Optical Response
11:15			
11:30	*Tu-A2-I2 Angela Seddon (University of Nottingham, UK) Progress towards mid-infrared (MIR) supercontinuum lasers for biomedical application and the MIR optical biopsy	*Tu-B2-I2 Luis Fernandes (OZ Optics Canada) Direct writing of fiber optic components in photonic crystal fibers and other specialty fibers	*Tu-C2-I2 Chisato Ogihara (Yamaguchi University, Japan) Measurements of defect PL in a-Si:H by means of frequency resolved spectroscopy
11:45			
12:00	Tu-A2-O1 Animesh Jha (University of Leeds,UK), Raman spectroscopy to identify colonic mucosal inflammation and healing	Tu-B2-O1 Khaled Ibrahim (University of Waterloo, Canada) Novel fabrication method for graphene oxide gel using ultrafast laser pulses	Tu-C2-O1 Mehmet Gunes (Mugla University, Turkey) Distribution of native and light induced defects in hydrogenated amorphous silicon thin films obtained from the improved dual beam photoconductivity method
12:15	Tu-A2-O2 Jayshri Sabarinathan (University of Western Ontario, Canada), Photonic crystal split defect directional couplers for sensor applications	Tu-B2-O2 Sébastien Loranger (Polytechnique Montreal) An order of magnitude increase in OFDR distributed sensing by UV Rayleigh enhancement	Tu-C2-O2 Gurinder Ahluwalia (College of the North Atlantic, Canada) Ab-initio Calculations of Band Structures of Chalcogen Based Materials
12:30	LUNCH (Provided)		
	Atrium		

June 14, Tuesday (Tu) Afternoon

	Session Bell Theatre		
14:00	PLENARY 2		
	Bell Theatre		
	Chair: Younes Messaddeq		
	Setsuhisa Tanabe, Kyoto University		
	Glass and Rare-Earth Elements: A Personal Perspective		
			
15:00	Coffee Break (Atrium)		
15:15			
15:30	Tu-A3 Synthesis and Fabrication Chair: Lluís Marsal (Universitat Rovira i Virgili Spain)	Tu-B3 Fibers, Sensors and Amplifiers Chair: Jayshri Sabarinathan (University of Western Ontario, Canada)	Session Tu-C3 Optical Properties and Luminescence Chairs: Tony Kenyon (UCL, UK)
15:30	*Tu-A3-I1 Philippe Thomas (Université de Limoges, France) Synthesis, structure, nonlinear optical and lasing properties of tellurium oxide based glasses and glass-ceramics	*Tu-B3-I1 Heike Ebendorff-Heidepriem (University Adelaide, Australia) Taming the light in optical fibres for sensing	*Tu-C3-I1 Peter Mascher (McMaster University, Canada) The Role of Rare Earth Doping in Silicon Photonics
15:45			
16:00	Tu-A3-O1 José Gonzalo (CSIC, Spain) Synthesis of Highly Transparent Er-Doped Fluorotellurite Glass-Ceramics through Controlled Crystallization	*Tu-B3-I2 Marian Marciniak (National Institute of Telecommunications, Poland) Mechanically tuneable 2D and 3D Photonic Crystals for strain sensing and structural health monitoring	*Tu-C3-I2 Lukas Strizik (University of Pardubice, Czech Republic) Quadrature Frequency Resolved Spectroscopy (QFRS) of Upconversion Photoluminescence in GeGaS: Er ³⁺ ; Discrimination between Excited State Absorption (ESA) and Energy Transfer Upconversion (ETU)


16:15	Tu-A3-O2 Riccardo Marin (INRS, Montreal) One-pot Synthesis of Water Dispersible Plasmonic Copper Sulphide Nanoparticles		
16:30	Tu-A3-O3 Michael Bradley (University of Saskatchewan, Canada) Plasma Ion Implantation as a Nanofabrication Tool for Photonic Device Applications	Tu-B3-O1 Tahereh Ahmadi Tameh (Polytechnique Montreal, Canada) Prototype optical rotation sensor using small optoelectronic devices	Tu-C3-O1 Cyril Koughia (University of Saskatchewan, Canada) Radiation trapping/diffusion in trivalent erbium doped media: rule or exception?
16:45	Tu-A3-O4 Mehrdad Irannejad and Ziya Esen (University of Waterloo, Canada) Synthesis and characterization of reduced graphene oxide-gold hybrid nanostructures using femtosecond laser ablation	Tu-B3-O2 Artiom Skripka (INRS, Canada) Near-infrared emitting Ho ³⁺ , Er ³⁺ - doped NaGdF ₄ nanoparticles: multi-wavelength excitation and temperature sensing	Tu-C3-O2 Xu Han (Beihang University, China) Up-conversion Luminescence of Er ³⁺ /Yb ³⁺ and Er ³⁺ /Yb ³⁺ /Pr ³⁺ Doped TeO ₂ -BaF ₂ -NaF Glasses
17:00	*Tu-A3-I2 Zetian Mi (McGill University) III-Nitride Nanowire Deep Ultraviolet Optoelectronic Devices	Tu-B3-O3 Wesley Shi (INRS and MPB Communications Inc., Canada) Irradiation Effect on Erbium Doped and Erbium Ytterbium Co-doped Fibre Amplifiers for Space Telecommunication Applications	Tu-C3-O3 Miao Wang (INRS, Montreal) Morphology Control of Yb ³⁺ and Er ³⁺ doped NaGdF ₄ Nanoparticles Through One-Step Thermolysis
17:15		*Tu-B3-I3 Shingo Nakane (Nippon Electric Glass Co. Ltd Japan) Unique Glass Component for Optical Application	Tu-C3-O4 Yannick Ledemi (Laval University) Luminescent properties of Yb ³⁺ doped oxyfluoride glasses and glass-ceramic
17:30			*Tu-C3-I3 Fiorenzo Vetrone (INRS, Canada) Near-Infrared Excited Multi-Functional Nanoplatforms Based on Upconverting Nanoparticles
17:45			
18:00	POSTERS		
20:00	END OF POSTER SESSION		

June 15, Wednesday (We) Morning

	We-A1 Optoelectronic Materials Chair: Michael Bradley (University of Saskatchewan, Canada)	We-B1 Fibers Chair: Real Vallee (Laval University, Canada)	We-C1 Chalcogenide Glasses Chair: Younes Messaddeq Laval University, Canada)
09:00	*We-A1-I1 Mohammed Gondal (King Fahd University of Petroleum and Minerals, Saudi Arabia) Synthesis of Colloidal Nanocrystal Based Nanocomposites Semiconductors for Photonic Applications Using Advanced Pulsed Laser Ablation in Liquids Technique	*We-B1-I1 Walter Margulis (Acreo Swedish ICT, Sweden) Poled fibers and applications	*We-C1-I1 Jiri Malek (Univerzita Pardubice, Czech Republic) Viscosity and structural relaxation of chalcogenide glasses
09:15			
09:30	*We-A1-I2 Mahmood Fallahi (University of Arizona, USA) Latest Developments in High-Power Vertical External Cavity Surface Emitting Lasers (VECSELs)	*We-B1-I2 Mohammed Saad (Thor Labs, Canada) Fluoride Glasses and Fibers for Mid-Infrared applications	*We-C1-I2 Igor Skripachev (Russian Academy of Sciences, Nizhny Novgorod, Russia) 50 Years of Chalcogenide Glass Fiber Optics. Achievements and Directions of new Efforts
09:45			
10:00	We-A1-O1 Pablo Bianucci (University of Concordia, Canada) Patterned Growth of ZnO Nanorods by using Low Temperature Wet Chemical Method	We-B1-O1 Jiangbo Zhao (University of Adelaide, Australia) Upconversion Nanocrystals Doped Glass and Fibre: a New Paradigm for Photonic Materials	*We-C1-I3 Annie Pradel (Université de Montpellier, France) Wide-range transmitting chalcogenide films and development of channel waveguides for infrared photonic applications
10:15	We-A1-O2 Sunyoung Park (McGill University, Canada) Sodium heat-diffusion in Bridgman-grown p-type Cu(In,Ga)Se ₂	We-B1-O2 Stepan Gorgutsa (Laval University) Novel user-interactive and wirelessly communicating textiles made from composite glass-metal-polymer fibers with hydrophobic coating	
10:30	Coffee Break (Atrium)		
10:45			
11:00	We-A2 Photoinduced Effects and Selected Topics Chair: Peter Mascher (McMaster University, Canada)	We-B2 Fibers and Mid-Infrared Chair: Luis Fernandes (OZ Optics, Canada)	We-C2 Chalcogenide Glasses Chair: Dan Hewak (University of Southampton, UK)

11:00	*We-A2-I1 Thierry Cardinal (ICMCB, Université Bordeaux, France) Design of photonic properties in silver containing glass by femtosecond laser structuring	*We-A2-I1 Jacques Albert (Carlton University, Canada) Recent advances in cladding mode-assisted resonant fiber optic sensors	*We-C2-I1 Ganapathy Senthil Murugan (University of Southampton, UK) Chalcogenide Waveguides on Silicon for Mid-infrared Sensing Applications
11:15			
11:30	*We-A2-I2 Xiong Qihua (Nanyang Technological University Singapore) Semiconductors- a game changer for optical cooling	*We-B2-I2 Réal Vallée (Laval University, Canada) Development of laser sources addressing the new challenges of the mid-infrared	*We-C2-I2 Martin Rochette (McGill University, Canada) A chalcogenide platform for mid-infrared optical sources
11:45			
12:00	*We-A2-I3 Tony Kenyon (UCL, UK) Integrating photonics and resistance switching light-triggered non-volatile memory and neuromorphic systems	We-B2-O1 Tea Skopak (Université de Bordeaux France) Novel germano-gallate glasses and optical fiber for extended infrared transmission	We-C2-O1 Tomas Wagner (Pardubice University, Czech Republic) Photoluminescence and Photon Upconversion in Rare-Earth-Doped Chalcogenides Prepared by Various Processes
12:15		We-B2-O2 Peter Buchak (USA) Modeling and Design Tools for Microstructured Optical Fiber Fabrication	We-C2-O2 Jihong Zhang (Gwangju Institute of Science and Technology, South Korea) Near and Mid-infrared Emission from Quantum Dots and Chalcogenide Glass Composites
12:30	LUNCH (Provided)		
	Atrium		

June 15, Wednesday (We) Afternoon

14:00	PLENARY 3		
	Bell Theatre		
	Chair: Stephane Kena-Cohen (Polytechnique Montreal, Canada)		
	Paul Stavrinou (Imperial College, London, UK)		
	Photonics with Solution Processable Materials		
			
15:00	Coffee Break (Atrium)		
15:15			
15:30	We-A3 Glasses and Glass Ceramics for Optoelectronics Chairs: Ganapathy Senthil Murugan (University of Southampton, UK) and Animesh Jha (University of Leeds, UK)	We-B3 Organics and Photovoltaics-Related Chair: Fiorenzo Vetrone (INRS, Canada)	We-C3 WORKSHOP 5th International Workshop on Advances on Materials for Radiation Detection and Imaging ICOOPMA delegates are allowed to attend the workshop if they wish to do so Chair: Safa Kasap (University of Saskatchewan, Canada)
15:30	*We-A3-I1 Dan Hewak (University of Southampton, UK) Advancing the Applications of Chalcogenide Glass	*We-B3-I1 Natalie Frank Banerji (UNIFR, Switzerland) The Photophysics of Polythiophenes From Solar Cells to Biological Sensors	*We-C3-I1 Patrick McNally (Dublin City University, Ireland) X-ray diffraction imaging for real-time in situ monitoring of future 3-D photonics system packages
15:45			
16:00	*We-A3-I2 Jong Heo (POSTECH, Korea) Photoluminescence from Quantum Dots Dictated by the Host Glass Compositions	*We-B3-I2 Rana Biswas (Iowa State University, USA) Fundamental atomic mechanisms underlying intrinsic degradation on organic solar cell materials- experiment and simulation	*We-C3-I2 Maria Mitkova (Boise State University, USA) Optically Induced Processes in Ge-Se Thin Films – from Visible Light to x-rays
16:15			

16:30	*We-A3-I3 Mathieu Allix (Centre National de la Recherche Scientifique, Orléans, France) Tailoring crystallization in oxide glasses Application to transparent polycrystalline ceramics and nanostructured glass-ceramics	We-B3-O1 Jai Singh (Charles Darwin University, Australia) Photovoltaic Contribution of Excitons Excited in Acceptors in the Performance of Bulk-Heterojunction Organic Solar Cells	*We-C3-I3 Sandor Kokenyesi (University of Debrecen, Hungary) Direct surface relief formation by e-beam in amorphous chalcogenide layers
16:45		We-B3-O2 Jai Singh (Charles Darwin University, Australia) Dissociation of CT excitons at the donor-acceptor interface in bulk heterojunction organic solar cells	
17:00	We-A3-O1 Antoine Lepicard (Universite de Bordeaux, France) Study of the Second Harmonic Generation stability and mechanisms in thermally poled alkali-doped chalcogenide glasses	We-B3-O3 Ilaria Bargigia (Istituto Italiano di Tecnologia, Milano, Italy) Conjugated Polymer Nanoparticles for Biotechnological Applications: a Photophysical Study	*We-C3-I4 Krishna Mandal (University of South Carolina, USA) High Resolution Radiation α -Detectors Based on Wide Bandgap n-type 4H-SiC (Epitaxial and Bulk) Schottky Detectors
17:15	We-A3-O2 Maxime Rioux (University of Laval, Canada) Optical and electrical characterisations of multifunctional AgI-AgPO ₃ -WO ₃ based glasses and fibers	*We-B3-I3- Nazir Kherani (University of Toronto, Canada), Photonic structures for light harvesting towards higher photovoltaic efficiency	
17:30	We-A3-O3 Marcelo Nalin (UNESP, Brazil) Optical, Structural and Magnetical Studies of Mn ²⁺ Doped SbPO ₄ -ZnO-PbO Glasses		*We-C3-I5 Sergei Baranovski (Philipps-Universitat Marburg, Germany) Charge Transport in PbO
17:45	We-A3-O4 Yoshifumi Sakaguchi (Comprehensive Research Organization for Science and Society, Japan), Kinetic Study on Silver Photo-diffusion into Ge-chalcogenide using Neutron Reflectivity Technique	We-B3-O4 Frank Scharf , (CST of America, USA) Simulation Based Design of Graphene-Enhanced Devices	
18:00			
18:15			
18:00	POSTERS		
20:00	END OF POSTER SESSION		

June 16, Thursday (Th) Morning

	Materials for Optoelectronics Chair: Stephen O'Leary (UBC, Okanagan, Canada)	Th-B1- Selected Topics in Photonics Chair: Younes Messaddeq (Laval University, Canada)	WORKSHOP Advances on Materials for Radiation Detection and Medical Imaging ICOOPMA delegates are allowed to attend the workshop if they wish to do so
08:45			08:45 Workshop Opening Chair: Safa Kasap
09:00		*Th-B1-I1 Sidney Ribeiro (UNESP, Brazil) Nanostructured biopolymers platform for biosensors and mirrorless lasers	*Th-C1-I1 Wei Zhao (Stony Brook Medicine, USA) Amorphous selenium in flat panel imagers for medical imaging
09:15	*Th-A1-I1 Long Zhang (SIOM, China) Microstructure-composited materials for high-power lasers		
09:30		*Th-B1-I2 Virginie Nazabal (University of Rennes, France) Chalcogenides glasses synthesis for Mid-IR sensor applications	*Th-C1-I2 Alla Reznik (Lakehead University, Canada) Advances in x-ray photoconductors for medical imaging
09:45	Th-A1-O1 Dervil Cody (Dublin Institute of Technology, Ireland) Low-toxicity photopolymer for recording of high diffraction efficiency reflection holograms		
10:00	Th-A1-O2 Matthew Dyson (Imperial College, UK) Microstructural Evolution and Aggregation in Semiconducting Polymer Blends	*Th-B1-I3 Nicolas Joly (Max Plank Institute for the Science of Light, Germany) Photonic crystal fiber for generation of non-classical states of light	*Th-C1-I3 Ira Blevis (Philips, Israel) New Developments in CZT Photoconductors
10:15	Th-A1-O3 Akhiro Tomioka (Osaka University, Japan) Partial Removal of Surface-Bound Polyvinylpyrrolidone from Silver Nanowires: Balancing the Electrical Conductance and Sulfuration Resistance		

10:30	Coffee (Atrium)		
10:45			
11:00	Th-A2 Optical Properties Chair: Asim Ray (Brunel University, UK)	Th-B2 Quantum Wells, Wires and Dots I Chair: Jan Dubowski (Université de Sherbrooke, Canada)	Workshop Th-C2 Chair: Alla Reznik (Lakehead University, Canada)
11:00	* Th-A2-I1 Hiroyoshi Naito (University of Osaka Prefecture, Japan), Optical properties of thermally activated delayed-fluorescence emitters- importance of higher triplet excited states	* Th-B2-I1 Harry Ruda (University of Toronto, Canada) Toward fundamental limits on the optoelectronic characteristics of single nanowires	* Th-C2-I1 Kai Wang (Sun Yat-Sen University-Carnegie Mellon University Joint Institute of Engineering, Guangzhou, China) Three-Dimensional Thin-Film Transistor and its Application in Low-Dose Indirect-Conversion X-ray Imaging
11:15			
11:30	Th-A2-O2 Glenda Delos Reyes (University of Alberta, Canada) Charge transfer state emission dynamics in functionalized silicon nanocrystals	* Th-B2-I2 Pierre Ruterana (CIMAP UMR, France) Strain relaxation mechanisms in InGaN/GaN heterostructures and emission in InGaN/GaN quantum wells	* Th-C2-I2 Takayuki Yanagida (Nara Institute of Science and Technology, Japan) Development of scintillator materials and scintillation detectors
11:45	* Th-A2-I2 Victor Fajer (Center of Technological Applications and Nuclear Development (CEADEN), Havana, Cuba) A recent historical perspective of optical and electronic instrumentation in Cuba		
12:00		Th-B2-O1 Khaled Ibrahim (University of Waterloo, Canada) Two dimensional materials quantum dot synthesis using high power femtosecond laser irradiation.	
12:15		Th-B2-O2 Tetyana Torchynska (ESFM- National Polytechnic Institute, Mexico) Physical Reasons of Emission Transformation in CdSe(Te)/ZnS Quantum dots at Bioconjugation to Antibodies	
12:30	LUNCH (Provided)		
	Atrium		

June 16, Thursday (Th) Afternoon

13:45			Workshop Th-C3 Chair: Andy Edgar (Victoria University of Wellington, New Zealand)
13:45			*Th-C3-I1 Dirk Poelman (Ghent University, Belgium) Near-infrared persistent luminescence for medical imaging
14:00	PLENARY 4 Bell Theatre Chair: Raman Kashyap Ursula Keller (ETH Zurich, Switzerland) Attosecond Ionization Dynamics and Time Delays		
			Th-C3-O1 Go Okada (Nara Institute of Science and Engineering, Japan), New Materials for Dosimetry
			Th-C3-O2 Farley Chicilo (University of Saskatchewan, Canada) Investigation of Energy and Dose Dependence of High-Resolution Dosimetric Materials for Microbeam Radiation Therapy
			Th-C3-O3 Yui Yokota (Tohoku University, Japan) Effects of dopant distribution improvement on Optical and Scintillation Properties for Ce-doped garnet-type Scintillator Single Crystals
15:00	Coffee Break (Atrium)		
15:15			
15:30	Th-A3 Luminescence Chair: Jai Singh (Charles Darwin University, Australia)	Th-B3 Optoelectronic Materials in including Quantum Structures Chair: Harry Ruda (University of Toronto, Canada)	Workshop Th-C4 Chair: Dirk Poelman (Ghent University, Belgium)
15:30	*Th-A3-I1 Ramaswami Sammynaiken (University of Saskatchewan, Canada) Flax Orbitide Emitting Material - A Single Molecule White Emitter	*Th-B3-I1 Jan Dubowski (Université de Sherbrooke, Canada), Laser tuning of emission wavelength of InAs quantum dots	*Th-C4-I1 Heinz von Seggern (Darmstadt University, Germany) Influence of Hydration on Structure, Sensitivity and Spatial Resolution of the X-Ray Storage Phosphor CsBr:Eu
15:45			



16:00	Th-A3-O1 George Fern (Brunel University, UK) Low temperature micro Raman and laser induced upconversion and downconversion spectra of europium doped silver tungstate Ag(2-3x)EuWO ₄ nanorods observation of the transition from α - to β - phase.	*Th-B3-I2 Pat Kambhampati (McGill University, Canada), Excitons in Semiconductor Quantum Dots Design principles for photonics, lighting, and sensing	*Th-C4-I2 Andy Edgar (Victoria University of Wellington, New Zealand) Optical Materials for High-Resolution X-ray Imaging
16:15	Th-A3-O2 Masayoshi Tange (AIST, Japan) Effect of Tube Diameter on Photoluminescence of Hybrid System between Single-Wall Carbon Nanotubes and Perylenes		
16:30	Th-A3-O3 Takeshi Aoki (TPU, Japan) Quadrature Frequency Resolved Spectroscopy of Upconversion Photoluminescence in GeGaS:Er ³⁺ ; II. Elucidating Excitation Mechanisms of Red Emission besides Green Emission	Th-B3-O1 Kouichi Akahane (NICT, Japan) Temperature dependence of photoluminescence from InAs quantum dot grown by digital embedding on InP(311)B substrates	*Th-C4-I3 Richard Williams (Wake Forest University, USA) Information on Particle Track Structure Carried in Scintillation Pulse Shape – Present and Potential Applications
16:45	*Th-A3-I2 Jack Silver (Brunel University) Recent Progress in the Understanding of AC Electroluminescent Lamps	Th-B3-O2 Jose Luis Casas Espinola (ESFM, IPN Mexico), Effect of Dielectric Constant on Emission of CdSe Quantum Dots Dispersed in Solvents	
17:00		Th-B3-O3 Georgiy Polupan (Polytechnic National Institute, Mexico) Physical aspects of emission variation in CdSeTe/ZnS quantum dots conjugated to antibodies.	*Th-C4-I4 Frederic Leblond (Polytechnique Montreal, Canada) Recent Progress in Biomedical Optics: Development of Optical Spectroscopy Techniques to Guide Surgical Interventions
17:15		Th-B3-O4 Tetyana Torchynska (Instituto Politécnico Nacional, México, Mexico) Synthesis with different solid precursors, optical and structural characterization of ZnO nanocrystals	
17:30			
17:45			
18:00			
18:30	BANQUET		
	Cocktails		
	Dinner		
19:45	Student Awards (Raman Kashyap)		
21:15	Next ICOOPMA (2018)		

21:30	Thank you session		
22:30	End		

June 17, Friday (Fr) Morning

			WORKSHOP Advances on Materials for Radiation Detection and Medical Imaging ICOOPMA delegates are allowed to attend the workshop if they wish to do so
9:00			Workshop Fr-C1 Chair: Safa Kasap
09:00	Fr-A1 Photovoltaics Chair: Carlos Silva (University of Montreal)		*Fr-C1-I1 Zahangir Kabir (Concordia University, Canada) Essentials of modeling the dark current in a-Se based devices; injection limited current
09:15	*Fr-A1-I1 Ajay R Srimath Kandada (Istituto Italiano di Tecnologia, Milano, Italy) Photo-excitation dynamics in lead-halide perovskites		
09:30			*Fr-C1-I2 Vlad Sukhovatkin and Sorin Marcovici (XLV Inc, Canada), Amorphous Selenium X-ray Light Valve Detector: How Electro-Optics Shaping the Future of Flat Panel X-Ray Detectors
09:45	Fr-A1-O2 Krishna Mandal (University of South Carolina) Thin-Film $\text{Cu}_2\text{ZnSn}(\text{S}_x\text{Se}_{1-x})_4$ Heterojunction Solar Cell		
10:00	*Fr-A1-I2 Dmitrii Perepichka (McGill, Canada) Design of emissive properties in molecular semiconductors		Fr-C1-O1 Oleksii Semeniuk (Lakehead University, Canada), Electronic properties of PbO
10:15			Fr-C1-O2 Oleksandr Bubon (Lakehead University, Canada) Electron-Hole Creation Energy in a-Se at Very High Fields

10:30	Coffee (Atrium)		Coffee (Atrium)
10:45			
11:00	Fr-A2 Selected Topics in Optoelectronics Chair: Raman Kashyap (Polytechnique Montreal, Canada)		Workshop Fr-C2 Chair: Alla Reznik (Lakehead University, Canada)
11:00	* Fr-A2-I1 Ajoy Kumar Kar (Heriot-Watt University, UK) Femtosecond laser writing of materials		
11:15			Fr-C2-O1 Shigeyuki Imura (NHK, Japan) Effects of Grain Refinement on Surface Enhancement of Thin-film Chlorine-doped Crystalline Selenium
11:30	* Fr-A2-I2 Hugo Fragnito (UNICAMP, University of Campinas, Brazil) Graphene on fibers		Fr-C2-O2 Ozan Gunes (University of Saskatchewan, Canada) The Effect of X-Ray Irradiation on the Thermal Stability of a-Se _{1-x} As _x based Photoconductive Films
11:45			Fr-C2-O3 Thomas Meyer (University of Saskatchewan, Canada) Photon Energy Dependence of the Modulation Transfer Function of a Mammographic X-ray Imaging Detector
12:00	Fr-A2-O1 Christoph Wieschendorf (Macquarie University, Australia) Compact integrated actively Q-switched waveguide laser source on a chip scale		Fr-C2-O4 George Belev (Canadian Light Source), Canada) X-ray phase contrast imaging at the Canadian Light Source: An Overview
12:15	Fr-A2-O2 Keisuke Machida (SMM, Japan) Parallel activation of plasmons and polarons in reduced hexagonal tungsten bronze nanoparticles		Fr-C2-O5 Sergii Miroshnichenko (National Aviation University, Ukraine) Dynamic X-ray photodiode sensor array detectors for 3D imaging
12:30	Fr-A2-O3 Yunle Wei (University of Adelaide, Australia) Gold nanoparticles in glass: When surface comes into play		* Fr-C2-I1 Luc Laperriere (Analogic Canada) a-Se Flat Panel Imagers: The Future
12:45	Fr-A2-O4 Satoshi Yoshio (Sumitomo Metal Mining Co. Ltd., Japan) First-principles analysis of nearly-transparent plasmonic hexagonal tungsten bronze nanoparticles		
12:30	Farewell LUNCH		Farewell LUNCH

June 17, Friday (Fr) Afternoon

13:30			
-------	--	--	--

13:45			
14:15			
14:30			

Plenary 45 min + 10 min questions | * Invited, 30 min | Regular, 15 min |