

Room A : M-1010

Monday June 13

Mo-PI: Plenary Location: C-631
Chair: David Cooke

Mo-PI Frank Hegmann 14:00-15:00
Nanoscale imaging with ultrafast terahertz scanning tunneling microscopy

Mo-A1: Terahertz and Femtosecond
Chair: Frank Hegmann

Mo-A1-I1 Jaymes Lloyd-Hughes 15:30-16:00
Spin-orbit coupling probed in 2D materials using terahertz time-domain

Mo-A1-I2 Denis Seletskiy 16:00-16:30
Time-Domain Quantum Optics: Detection of Bare Vacuum and Beyond

Mo-A1-O1 Dayan Ban 16:30-16:45
Competition of current-carrying channels in operating terahertz quantum cascade lasers

Mo-A1-O2 David Valverde 16:45-17:00
Ultrafast multi-THz Spectroscopy of a Single Crystal Organo-Metallic Halide Perovskite

Mo-A1-O3 Lauren Gingras 17:00-17:15
Dynamic creation of all-optical resonators for guided THz pulses

Mo-A1-O4 Hadi Razavipour 17:15-17:30
Fermi energy and field dependence of nonlinear THz transmission in graphene

Mo-A1-O5 Lyubov Titova 17:30-17:45
Ultrafast carrier dynamics in BiVO₄ thin film photoanode material: time-resolved THz spectroscopic study

Tuesday June 14

Tu-A1: Biophotonics and Sensing I
Chair: Ramaswami Sammynaiken

Tu-A1-I1 Tigran Galstian 9:00-9:30
The physics of angularly correlated molecular complexes in the service of medicine

Tu-A1-I2 Animesh Jha 9:30-10:00
Sintering of calcium phosphate biomaterials on tooth enamel with the use of femtosecond lasers

Tu-A1-O1 Josep Ferré-Borrull 10:00-10:15
Optical characterisation of nanofluidic infiltration of nanoporous anodic alumina and its application to biosensing

Tu-A1-O2 Josiah Firth 10:15-10:30
Development, fabrication and modelling of a novel liquid crystal based optode for the measurement and visualization of biopotentials in neural and myocardial tissue.

Tu-A2: Biophotonics and Sensing II
Chair: Tigran Galstian

Tu-A2-I1 Lluís Marsal 11:00-11:30
Nanoporous anodic alumina photonic structures for biosensing

Tu-A2-I2 Angela Seddon 11:30-12:00
Progress towards mid-infrared (MIR) supercontinuum lasers for biomedical application and the MIR optical biopsy

Tu-A2-O1 Animesh Jha 12:00-12:15
Raman spectroscopy to identify colonic mucosal inflammation and healing

Tu-A2-O2 Jayshri Sabarinathan 12:15-12:30
Photonic crystal split defect directional couplers for sensor applications

Tu-PI: Plenary Location: C-631
Chair: Younes Messaddeq

Tu-PI Setsuhisa Tanabe 14:00-15:00
Glass and Rare-Earth Elements: A Personal Perspective

Tu-A3: Synthesis and Fabrication
Chair: Lluís Marsal

Tu-A3-I1 Philippe Thomas 15:30-16:00
Synthesis, structure, nonlinear optical and lasing properties of tellurium oxide based glasses and glass-ceramics

Tu-A3-O1 José Gonzalo 16:00-16:15
Synthesis of Highly Transparent Er-Doped Fluorotellurite Glass-Ceramics through Controlled Crystallization

Tu-A3-O2 Riccardo Marin 16:15-16:30
One-pot Synthesis of Water Dispersible Plasmonic Copper Sulphide Nanoparticles

Tu-A3-O3 Michael Bradley 16:30-16:45
Plasma Ion Implantation as a Nanofabrication Tool for Photonic Device Applications

Tu-A3-O4 Mehrdad Irannejad 16:45-17:00
Dynamic creation of all-optical resonators for guided THz pulses

Tu-A3-I2 Zetian Mi 17:00-17:30
III-Nitride Nanowire Deep Ultraviolet Optoelectronic Devices

Wednesday June 15

We-A1: Optoelectronic Materials
Chair: Michael Bradley

We-A1-I1 Mohammed Gondal 9:00-9:30
Synthesis of Colloidal Nanocrystal Based Nanocomposites Semiconductors for Photonic Applications Using Advanced Pulsed Laser Ablation in Liquids Technique

We-A1-I2 Mahmood Fallahi 9:30-10:00
Latest Developments in High-Power Vertical External Cavity Surface Emitting Lasers (VECSELs)

We-A1-O1 Pablo Bianucci 10:00-10:15
Patterned Growth of ZnO Nanorods by using Low Temperature Wet Chemical Method

We-A1-O2 Sunyoung Park 10:15-10:30
Sodium heat-diffusion in Bridgman-grown p-type Cu(In,Ga)Se₂

We-A2: Photoinduced Effects and Selected Topics
Chair: Peter Mascher

We-A2-I1 Thierry Cardinal 11:00-11:30
Design of photonic properties in silver containing glass by femtosecond laser structuring

We-A2-I2 Xiong Qihua 11:30-12:00
Semiconductors- a game changer for optical cooling

We-A2-I3 Tony Kenyon 12:00-12:30
Integrating photonics and resistance switching light-triggered non-volatile memory and neuromorphic systems

We-PI: Plenary Location: C-631
Chair: Stephane Kena-Cohen

We-PI Paul Stavrinou 14:00-15:00
Photonics with Solution Processable Materials

We-A3: Glasses and Glass Ceramics for Optoelectronics
Chair: Ganapathy Senthil Murugan

We-A3-I1 Dan Hewak 15:30-16:00
Advancing the Applications of Chalcogenide Glass

We-A3-I2 Jong Heo 16:00-16:30
Photoluminescence from Quantum Dots Dictated by the Host Glass Compositions

We-A3-I3 Mathieu Allix 16:30-17:00
Tailoring crystallization in oxide glasses Application to transparent polycrystalline ceramics and nanostructured glass-ceramics

We-A3-O1 Antoine Lepicard 17:00-17:15
Study of the Second Harmonic Generation stability and mechanisms in thermally poled alkali-doped chalcogenide glasses

We-A3-O2 Maxime Rioux 17:15-17:30
Optical and electrical characterizations of multifunctional AgI-AgPO₃-WO₃ based glasses and fibers

We-A3-O3 Marcelo Nalin 17:30-17:45
Optical, Structural and Magnetical Studies of Mn²⁺ Doped SbPO₄-ZnO-PbO Glasses

We-A3-O4 Yoshifumi Sakaguchi 17:45-18:00
Kinetic Study on Silver Photo-diffusion into Ge-chalcogenide using Neutron Reflectivity Technique

Thursday June 16

Th-A1: Materials for Optoelectronics
Chair: Stephen O'Leary

Th-A1-I1 Long Zhang 9:15-9:45
Microstructure-composited materials for high-power lasers

Th-A1-O1 Dervil Cody 9:45-10:00
Low-toxicity photopolymer for recording of high diffraction efficiency reflection holograms

Th-A1-O2 Matthew Dyson 10:00-10:15
Microstructural Evolution and Aggregation in Semiconducting Polymer Blends

Th-A1-O3 Akhiro Tomioka 10:15-10:30
Partial Removal of Surface-Bound Polyvinylpyrrolidone from Silver Nanowires: Balancing the Electrical Conductance and Sulfuration Resistance

Th-A2: Optical Properties
Chair: Jai Singh

Th-A2-I1 Hiroyoshi Naito 11:00-11:30
Optical properties of thermally activated delayed-fluorescence emitters- importance of higher triplet excited states

Th-A2-O1 Glenda Delos Reyes 11:30-11:45
Charge transfer state emission dynamics in functionalized silicon nanocrystals

Th-A2-I2 Victor Fajer 11:45-12:15
A recent historical perspective of optical and electronic instrumentation in Cuba

Th-PI: Plenary Location: C-631
Chair: Raman Kashyap

Th-PI Ursula Keller 14:00-15:00
Attosecond Ionization Dynamics and Time Delays

Th-A3: Luminescence
Chair: Jai Singh

Th-A3-I1 Ramaswami Sammynaiken 15:30-16:00
Flax Orbitide Emitting Material - A Single Molecule White Emitter

Th-A3-O1 George Fern 16:00-16:15
Low temperature micro Raman and laser induced upconversion and downconversion spectra of europium doped silver tungstate Ag₂(2-3x)Eu_xWO₄ nanorods observation of the transition from α - to β -phase.

Th-A3-O2 Masayoshi Tange 16:15-16:30
Effect of Tube Diameter on Photoluminescence of Hybrid System between Single-Wall Carbon Nanotubes and Perylenes

Th-A3-O3 Takeshi Aoki 16:30-16:45
Quadrature Frequency Resolved Spectroscopy of Upconversion Photoluminescence in GeGaS:Er³⁺; II. Elucidating Excitation Mechanisms of Red Emission besides Green Emission

Th-A3-I2 Jack Silver 16:45-17:15
Recent Progress in the Understanding of AC Electroluminescent Lamps

Friday June 17

Fr-A1: Photovoltaics
Chair: Carlos Silva

Fr-A1-I1 Ajay R Srimath Kandada 9:15-9:45
Photo-excitation dynamics in lead-halide perovskites

Fr-A1-O2 Krishna Mandal 9:45-10:00
Thin-Film Cu₂ZnSn(SxSe1-x)₄(CZTSSe) Heterojunction Solar Cells

Fr-A1-I2 Dmitrii Perepichka 10:00-10:30
Design of emissive properties in molecular semiconductors

Fr-A2: Selected Topics in Optoelectronics
Chair: Raman Kashyap

Fr-A2-I1 Ajoy Kumar Kar 11:00-11:30
Femtosecond laser writing of materials

Fr-A2-I2 Hugo Fragnito 11:30-12:00
Graphene on fibers

Fr-A2-O1 Christoph Wieschendorf 12:00-12:15
Compact integrated actively Q-switched waveguide laser source on a chip scale

Fr-A2-O2 Keisuke Machida 12:15-12:30
Parallel activation of plasmons and polarons in reduced hexagonal tungsten bronze nanoparticles

Fr-A2-O3 Yunle Wei 12:30-12:45
Gold nanoparticles in glass: When surface comes into play

Fr-A2-O4 Satoshi Yoshio 12:45-13:00
First-principles analysis of nearly-transparent plasmonic hexagonal tungsten bronze nanoparticles

Room B : M-1020

Monday June 13

Tuesday June 14

Wednesday June 15

Thursday June 16

Friday June 17

Tu-B1: Nonlinear Effects

Chair: Cyril Koughia

- Tu-B1-11** Markus Schmidt 9:00-9:30
Chalcogenide and Liquid Nanowires in Fibers a new base for Supercontinuum Generation
- Tu-B1-12** Moritz Merklein 9:30-10:00
Good vibrations: harnessing photon-phonon interactions on a chip
- Tu-B1-01** Ameneh Bostani 10:00-10:15
Fabrication of apodized step-chirped periodically poled lithium niobate for temperature-insensitive broadband frequency conversion
- Tu-B1-02** Leonid Mochalov 10:15-10:30
Study of the optical linear and nonlinear properties of GxS90-x110 chalcogenide glasses

Tu-B2: Photonic Crystals

Chair: Richard Curry

- Tu-B2-11** Vassili Fedotov 11:00-11:30
Exploiting the full potential of liquid crystals in tunable and re-configurable metamaterials
- Tu-B2-12** Luis Fernandes 11:30-12:00
Direct writing of fiber optic components in photonic crystal fibers and other specialty fibers
- Tu-B2-01** Khaled Ibrahim 12:00-12:15
Novel fabrication method for graphene oxide gel using ultrafast laser pulses
- Tu-B2-02** Sébastien Loranger 12:15-12:30
An order of magnitude increase in OFDR distributed sensing by UV Rayleigh enhancement

Mo-Pl: Plenary Location: C-631
Chair: David Cooke

Mo-Pl Frank Hegmann 14:00-15:00
Nanoscale imaging with ultrast fast terahertz scanning tunneling microscopy

Tu-Pl: Plenary Location: C-631
Chair: Younes Messaddeq

Tu-Pl Setsuhisa Tanabe 14:00-15:00
Glass and Rare-Earth Elements: A Personal Perspective

Tu-B3: Fibers, Sensors and Amplifiers

Chair: Jayshri Sabarinathan

- Tu-B3-11** Heike Ebendorff-Heidepriem 15:30-16:00
Taming the light in optical fibres for sensing
- Tu-B3-12** Marian Marciniak 16:00-16:30
Mechanically tuneable 2D and 3D Photonic Crystals for strain sensing and structural health monitoring
- Tu-B3-01** Tahereh Ahmadi Tameh 16:30-16:45
Prototype optical rotation sensor using small optoelectronic devices
- Tu-B3-02** Artiom Skripka 16:45-17:00
Near-infrared emitting Ho³⁺, Er³⁺ - doped NaGdF₄ nanoparticles: multi-wavelength excitation and temperature sensing
- Tu-B3-03** Wesley Shi 17:00-17:15
Irradiation Effect on Erbium Doped and Erbium Ytterbium Co-doped Fibre Amplifiers for Space Telecommunication Applications
- Tu-B3-13** Shingo Nakane 17:15-17:45
Unique Glass Component for Optical Application

We-B1: Fibers

Chair: Real Vallee

- We-B1-11** Walter Margulis 9:00-9:30
Poled fibers and applications
- We-B1-12** Mohammed Saad 9:30-10:00
Fluoride Glasses and Fibers for Mid-Infrared applications
- We-B1-01** Jiangbo Zhao **CANCELLED** 10:00-10:15
Upconversion Nanocrystals Doped Glass and Fibre: a New Paradigm for Photonic Materials
- We-B1-02** Stepan Gorgusta 10:15-10:30
Novel user-interactive and wirelessly communicating textiles made from composite glass-metal-polymer fibers with hydrophobic coating

We-B2: Fibers and Mid-Infrared

Chair: Luis Fernandes

- We-B2-11** Jacques Albert 11:00-11:30
Recent advances in cladding mode-assisted resonant fiber optic sensors
- We-B2-12** Réal Vallée 11:30-12:00
Development of laser sources addressing the new challenges of the mid-infrared
- We-B2-01** Tea Skopak 12:00-12:15
Novel germano-gallate glasses and optical fiber for extended infrared transmission
- We-B2-02** Peter Buchak 12:15-12:30
Modeling and Design Tools for Microstructured Optical Fiber Fabrication

We-Pl: Plenary Location: C-631
Chair: Stephane Kena-Cohen

We-Pl Paul Stavrinou 14:00-15:00
Photonics with Solution Processable Materials

We-B3: Organics and Photovoltaics-Related

Chair: Fiorenzo Vetrone

- We-B3-11** Natalie Frank Banerji 15:30-16:00
The Photophysics of Polythiophenes From Solar Cells to Biological Sensors
- We-B3-12** Rana Biswas 16:00-16:30
Fundamental atomic mechanisms underlying intrinsic degradation on organic solar cell materials- experiment and simulation
- We-B3-01** Jai Singh 16:30-16:45
Photovoltaic Contribution of Excitons Excited in Acceptors in the Performance of Bulk-Heterojunction Organic Solar Cells
- We-B3-02** Jai Singh 16:45-17:00
Dissociation of CT excitons at the donor-acceptor interface in bulk heterojunction organic solar cells
- We-B3-03** Ilaria Bargigia 17:00-17:15
Conjugated Polymer Nanoparticles for Biotechnological Applications: a Photophysical Study
- We-B3-13** Nazir Kherani 17:15-17:45
Photonic structures for light harvesting towards higher photovoltaic efficiency
- We-B3-04** Frank Scharf 17:45-18:00
Simulation Based Design of Graphene-Enhanced Devices

Th-B1: Selected Topics in Photonics

Chair: Younes Messaddeq

- Th-B1-11** Sidney Ribeiro 9:00-9:30
Nanostructured biopolymers platform for biosensors and mirrorless lasers
- Th-B1-12** Virginie Nazabal 9:30-10:00
Chalcogenides glasses synthesis for Mid-IR sensor applications
- Th-B1-13** Nicolas Joly 10:00-10:30
Photonic crystal fiber for generation of non-classical states of light

Th-B2: Quantum Wells, Wires and Dots I

Chair: Jan Dubowski

- Th-B2-11** Harry Ruda 11:00-11:30
Toward fundamental limits on the optoelectronic characteristics of single nanowires
- Th-B2-12** Pierre Ruterana 11:30-12:00
Strain relaxation mechanisms in InGaN/GaN heterostructures and emission in InGaN/GaN quantum wells
- Th-B2-01** Khaled Ibrahim 12:00-12:15
Two dimensional materials quantum dot synthesis using high power femtosecond laser irradiation
- Th-B2-02** Tetyana Torchynska 12:15-12:30
Physical Reasons of Emission Transformation in CdSe(Te)/ZnS Quantum dots at Bioconjugation to Antibodies

Th-Pl: Plenary Location: C-631
Chair: Raman Kashyap

Th-Pl Ursula Keller 14:00-15:00
Attosecond Ionization Dynamics and Time Delays

Th-B3: Optoelectronic Materials in including Quantum Structures

Chair: Harry Ruda

- Th-B3-11** Jan Dubowski 15:30-16:00
Laser tuning of emission wavelength of InAs quantum dots
- Th-B3-12** Pat Kambhampati 16:00-16:30
Excitons in Semiconductor Quantum Dots Design principles for photonics, lighting, and sensing
- Th-B3-01** Kouichi Akahane 16:30-16:45
Temperature dependence of photoluminescence from InAs quantum dot grown by digital embedding on InP(311)B substrates
- Th-B3-02** Jose Luis Casas Espinola 16:45-17:00
Effect of Dielectric Constant on Emission of CdSe Quantum Dots Dispersed in Solvents
- Th-B3-03** Georgiy Polupan 17:00-17:15
Physical aspects of emission variation in CdSeTe/ZnS quantum dots conjugated to antibodies.
- Th-B3-04** Tetyana Torchynska 17:15-17:30
Synthesis with different solid precursors, optical and structural characterization of ZnO nanocrystals



Room C : M-1120

Monday June 13

Mo-PI: Plenary Location: C-631
Chair: David Cooke

Mo-PI Frank Hegmann 14:00-15:00
Nanoscale imaging with ultrafast terahertz scanning tunneling microscopy

Mo-C1: Integrated Optics and Photonic Devices and Systems
Chair: Raman Kashyap

Mo-C1-I1 Luis Romero 15:30-16:00
Energy-Preserving Arbitrary Repetition Rate Control of Waveform Trains

Mo-C1-I2 Roberto Morandotti 16:00-16:30
Quantum state generation via integrated frequency combs

Mo-C1-I3 Andre Luiten 16:30-17:00
Electronic Combs: Next Generation Spectroscopic Tools

Tuesday June 14

Tu-C1: Materials for Optoelectronics
Chair: Mojtaba Kahrizi

Tu-C1-O2 Andrey Senin 9:15-9:30
DPSS Ultrafast Laser Systems Enabling Cutting-Edge Research & Applications

Tu-C1-O3 Dawood Alsaedi 9:30-9:45
Enhancing the Sensitivity and Stability of Interdigitated Reduced Graphene Oxide Gel Photodetector for photodetection applications

Tu-C1-O4 Luca Occhi 9:45-10:00
Novel conductive solution-processable organic/inorganic material with low work function and highly tunable refractive index

Tu-C1-I1 Richard Curry 10:00-10:30
High-Performance Hybrid Organic-Inorganic PbS Nanocrystal Photodetectors

Tu-C2: Semiconductors
Chair: Robert Johanson

Tu-C2-I1 Stephen O'Leary 11:00-11:30
An Amorphous-to-Crystalline Phase Transition within Thin Silicon Films Grown By Ultra-High-Vacuum Evaporation and its Impact on the Optical Response

Tu-C2-I2 Chisato Ogihara 11:30-12:00
Measurements of defect PL in a-Si:H by means of frequency resolved spectroscopy

Tu-C2-O2 Gurinder Ahluwalia 12:00-12:15
Ab-initio Calculations of Band Structures of Chalcogen Based Materials

Tu-C2-O1 Mehmet Gunes 12:15-12:30
Distribution of native and light induced defects in hydrogenated amorphous silicon thin films obtained from the improved dual beam photoconductivity method

Tu-PI: Plenary Location: C-631
Chair: Younes Messaddeq

Tu-PI Setsuhisa Tanabe 14:00-15:00
Glass and Rare-Earth Elements: A Personal Perspective

Tu-C3: Optical Properties and Luminescence
Chair: Tony Kenyon

Tu-C3-I1 Peter Mascher 15:30-16:00
The Role of Rare Earth Doping in Silicon Photonics

Tu-C3-I2 Lukas Strizik 16:00-16:30
Quadrature Frequency Resolved Spectroscopy of Upconversion Photoluminescence in GeGaS:Er³⁺; I. Determination of Energy Transfer Upconversion Parameter

Tu-C3-O1 Cyril Koughia 16:30-16:45
Radiation trapping/diffusion in trivalent erbium doped media: rule or exception?

Tu-C3-O2 Xu Han 16:45-17:00
Up-conversion Luminescence of Er³⁺/Yb³⁺ and Er³⁺/Yb³⁺/Pr³⁺ Doped TeO₂-BaF₂-NaF Glasses

Tu-C3-O3 Miao Wang 17:00-17:15
Morphology Control of Yb³⁺ and Er³⁺ doped NaGdF₄ Nanoparticles Through One-Step Thermolysis

Tu-C3-O4 Yannick Ledemi 17:15-17:30
Luminescent properties of Yb³⁺ doped oxyfluoride glasses and glass-ceramic

Tu-C3-I3 Fiorenzo Vetrone 17:30-18:00
Near-Infrared Excited Multi-Functional Nanoplatforms Based on Upconverting Nanoparticles

Wednesday June 15

We-C1: Chalcogenide Glasses
Chair: Younes Messaddeq

We-C1-I1 Jiri Malek 9:00-9:30
Viscosity and structural relaxation of chalcogenide glasses

We-C1-I2 Igor Skripachev 9:30-10:00
50 Years of Chalcogenide Glass Fiber Optics. Achievements and Directions of new Efforts

We-C1-I3 Annie Pradel 10:00-10:30
Wide-range transmitting chalcogenide films and development of channel waveguides for infrared photonic applications

We-C2: Chalcogenide Glasses
Chair: Dan Hewak

We-C2-I1 Ganapathy Senthil Murugan 11:00-11:30
Chalcogenide Waveguides on Silicon for Mid-infrared Sensing Applications

We-C2-I2 Martin Rochette 11:30-12:00
A chalcogenide platform for mid-infrared optical sources

We-C2-O1 Tomas Wagner 12:00-12:15
Photoluminescence and Photon Upconversion in Rare-Earth-Doped Chalcogenides Prepared by Various Processes

We-C2-O2 Jihong Zhang 12:15-12:30
Near and Mid-infrared Emission from Quantum Dots and Chalcogenide Glass Composites

We-PI: Plenary Location: C-631
Chair: Stephane Kena-Cohen

We-PI Paul Stavrinou 14:00-15:00
Photonics with Solution Processable Materials

We-C3: Workshop
Chair: Safa Kasap

We-C3-I1 Patrick McNally 15:30-16:00
X-ray diffraction imaging for real-time in situ monitoring of future 3-D photonics system packages

We-C3-I2 Maria Mitkova 16:00-16:30
Optically Induced Processes in Ge-Se Thin Films – from Visible Light to x-rays

We-C3-I3 Sandor Kokenyesi 16:30-17:00
Direct surface relief formation by e-beam in amorphous chalcogenide layers

We-C3-I4 Krishna Mandal 17:00 -17:30
High Resolution Radiation α -Detectors Based on Wide Bandgap n-type 4H-SiC (Epitaxial and Bulk) Schottky Detectors

We-C3-I5 Sergei Baranovski 17:30 -18:00
Charge Transport in PbO

Thursday June 16

Th-C1: Workshop
Chair: Safa Kasap

Th-C1-I1 Wei Zhao 9:00-9:30
Amorphous selenium in flat panel imagers for medical imaging

Th-C1-I2 Alla Reznik 9:30-10:00
Advances in x-ray photoconductors for medical imaging

Th-C1-I3 Ira Blevis 10:00-10:30
New Developments in CZT Photoconductors

Th-C2: Workshop
Chair: Alla Reznik

Th-C2-I1 Kai Wang 11:00-11:30
Three-Dimensional Thin-Film Transistor and its Application in Low-Dose Indirect-Conversion X-ray Imaging

Th-C2-I2 Takayuki Yanagida 11:30-12:00
Development of scintillator materials and scintillation detectors

Th-C3: Workshop
Chair: Andy Edgar

Th-C3-I1 Dirk Poelman 13:45-14:15
Near-infrared persistent luminescence for medical imaging

Th-C3-O1 Go Okada 14:15-14:30
New Materials for Dosimetry

Th-C3-O2 Farley Chicilo 14:30 -14:45
Investigation of Energy and Dose Dependence of High-Resolution Dosimetric Materials for Microbeam Radiation Therapy

Th-C3-O3 Yui Yokota 14:45 -15:00
Effects of dopant distribution improvement on Optical and Scintillation Properties for Ce-doped garnet-type Scintillator Single Crystals

Th-C4: Workshop
Chair: Dirk Poelman

Th-C4-I1 Heinz von Seggern 15:30-16:00
Influence of Hydration on Structure, Sensitivity and Spatial Resolution of the X-Ray Storage Phosphor CsBr:Eu

Th-C4-I2 Andy Edgar 16:00-16:30
Optical Materials for High-Resolution X-ray Imaging

Th-C4-I3 Richard Williams 16:30-17:00
Information on Particle Track Structure Carried in Scintillation Pulse Shape – Present and Potential Applications

Th-C4-I4 Frederic Leblond 17:00 -17:30
Recent Progress in Biomedical Optics: Development of Optical Spectroscopy Techniques to Guide Surgical Interventions

Friday June 17

Fr-C1: Workshop
Chair: Safa Kasap

Fr-C1-I1 Zahangir Kabir 9:00-9:30
Essentials of modeling the dark current in a-Se based devices; injection limited current

Fr-C1-I2 Vlad Sukhovatkin and Sorin Marcovici 9:30-10:00
Amorphous Selenium X-ray Light Valve detector

Fr-C1-O1 Oleksii Semeniuk 10:00-10:15
Electronic properties of PbO

Fr-C1-O2 Oleksander Bubon 10:15-10:30
Electron-Hole Creation Energy in a-Se at Very High Fields

Fr-C2: Workshop
Chair: Alla Reznik

Fr-C2-O1 Shigeyuki Imura 11:00-11:15
Effects of Grain Refinement on Surface Enhancement of Thin-film Chlorine-doped Crystalline Selenium

Fr-C2-O2 Ozan Gunes 11:15-11:30
The Effect of X-Ray Irradiation on the Thermal Stability of a-Se_{1-x}As_x based Photoconductive Films

Fr-C2-O3 Thomas Meyer 11:30-11:45
Photon Energy Dependence of the Modulation Transfer Function of a Mammographic X-ray Imaging Detector

Fr-C2-O4 George Belev 11:45-12:00
X-ray phase contrast imaging at the Canadian Light Source

Fr-C2-O5 Sergii Miroshnichenko 12:00-12:15
Dynamic X-ray photodiode sensor array detectors for 3D imaging

Fr-C2-I1 Luc Laperriere 12:15-12:45
a-Se Flat Panel Imagers: The Future

