



INTER-PHOTONICS 2019
INTERNATIONAL CONFERENCE ON PHOTONICS RESEARCH

NOVEMBER 04-09, 2019

PROGRAM SATURDAY, NOVEMBER 02, 2019	
14:00-23:30	REGISTRATION FOR EARLY ARRIVALS <i>(14:00 Check-in)</i>

PROGRAM SUNDAY, NOVEMBER 03, 2019	
9:00-23:30	REGISTRATION <i>(14:00 Check-in)</i>

PROGRAM MONDAY, NOVEMBER 04, 2019	
PHOENIX 1	
OPENING SESSION <i>09:30-10:15</i>	Chairperson: Ersin Kayahan M. Alper ŞAHİNER Seton Hall University, USA <i>"Advances in Thin Films of Photonics Research: Synthesis and Characterization"</i>
OPENING SESSION <i>10:15-11:00</i>	Chairperson: Ersin Kayahan Alex VITKIN University of Toronto, Canada <i>"Photon Mayhem: Using Light for Structural and Functional Assessment of Biological Tissues"</i>

11:00-11:30	COFFEE BREAK			
PARALLEL SESSIONS 11:30-13:00 MONDAY, NOVEMBER 04	INTERPHOTONICS			
	PHOENIX 1	PHOENIX 2	PHOENIX 3	
	<p><i>Chairperson:</i> Weiwei Hu</p> <p style="text-align: center;">(11:30-12:00) Weiwei Hu</p> <p style="text-align: center;">Peking University, China</p> <p style="text-align: center;">(Invited Speaker)</p> <p style="text-align: center;">“The progress of Silicon-based Design for Optical phased array”</p> <p style="text-align: center;">(12:00-12:30) Bülent Köse</p> <p style="text-align: center;">PANDUIT CORP., United States</p> <p style="text-align: center;">(Invited Speaker)</p> <p style="text-align: center;">“High Speed VCSEL transmission over MMF”</p> <p style="text-align: center;">(12:30-13:00) Tetsuya Yokotani</p> <p style="text-align: center;">Kanazawa Institute of Technology, Japan</p> <p style="text-align: center;">(Invited Speaker)</p> <p style="text-align: center;">“IoT Data Exchange Platform on Broadband networks”</p>	<p><i>Chairperson:</i> Mihaela Kusko</p> <p style="text-align: center;">(11:30-12:00) Mihaela Kusko</p> <p style="text-align: center;">National Institute for Research and Development in Microtechnologies, Romania</p> <p style="text-align: center;">(Invited speaker)</p> <p style="text-align: center;">“Development of Highly Sensitive Silicon Nanowires Based Photodetectors”</p> <p style="text-align: center;">(12:00-12:30) Yevgeny Radeonychev</p> <p style="text-align: center;">Institute of Applied Physics of the Russian Academy of Sciences, Russia</p> <p style="text-align: center;">(Invited Speaker)</p> <p style="text-align: center;">“Acoustic control of recoilless x-ray photons: formation of ultrashort pulses, induced resonant transparency, and photon slowing”</p> <p style="text-align: center;">(12:30-13:00) Ucuk Darusalam</p> <p style="text-align: center;">Universitas Nasional, Indonesia</p> <p style="text-align: center;">(Invited Speaker)</p> <p style="text-align: center;">“WDM of FSO implementing dual hop of optical relaying network using inline cascaded of optical amplifiers for connecting backbone of the Palapa Ring with rural area”</p>	<p><i>Chairperson:</i> Krzysztof Anders</p> <p style="text-align: center;">(11:30-12:00) Krzysztof Anders</p> <p style="text-align: center;">Warsaw University of Technology, Poland</p> <p style="text-align: center;">(Invited Speaker)</p> <p style="text-align: center;">“Few-mode optical fibers - concept, technology and applications”</p> <p style="text-align: center;">(12:00-12:30) Minoru Sasaki</p> <p style="text-align: center;">Toyota Technological Institute, Japan</p> <p style="text-align: center;">(Invited Speaker)</p> <p style="text-align: center;">“Mems-Based Infrared Light Source And Detector”</p> <p style="text-align: center;">(12:30-13:00) Xavier Allonas</p> <p style="text-align: center;">LPIM, France</p> <p style="text-align: center;">(Invited Speaker)</p> <p style="text-align: center;">“Photoinitiating Systems for High Performance Holography Recording”</p>	

13:00-14:00	LUNCH			
	INTERPHOTONICS			
PARALLEL SESSIONS 14:00-15:20 MONDAY, NOVEMBER 04	PHOENIX 1	PHOENIX 2	PHOENIX 3	
	<i>Chairperson:</i> Fehmiye Yıldız	<i>Chairperson:</i> Irina Severin	<i>Chairperson:</i> Teresa Atvars	
	(14:00-14:20) Fehmiye Yıldız	(14:00-14:30) Irina Severin	(14:00-14:30) Teresa Atvars	
	Roketsan Missiles Industries Inc., Turkey	University Politehnica of Bucharest, Romania	University of Campinas, Brazil	
	(ID 312)	(Invited Speaker)	(Invited Speaker)	
“Analysis and simulation of turbulence effects on Gaussian beam propagation based on generalized modified atmospheric spectrum”	“Optical fiber fabrication and testing to certify production control”	“New molecules for all-solution processed white organic light emitting diodes”		
(14:20-14:40) Fehmiye Yıldız	(14:30-15:00) Borja Sepulveda	(14:30-15:00) Baishi Wang		
Roketsan Missiles Industries Inc., Turkey	ICN2, Spain	Vytran Division of Thorlabs, United States		
(ID 314)	(Invited Speaker)	(Invited Speaker)		
“Numerical simulation of heat transfer and damage development due to high energy laser irradiation on different target materials”	“Iron based nanoparticles for highly efficient and magnetically controlled photo-therapies”	“Latest Advance in Specialty Fiber Processing for Fiber Laser and Photonics Applications”		
(14:40-15:10) Cristian Kusko	(15:00-15:20) Yakov Mironov			
National Institute for Research and Development in Microtechnologies - IMT, Romania	Southern Federal University, Russian Federation			
(Invited Speaker)	(ID 466)			
“Generation and manipulation of optical vortices for free-space optical communications”	“Designing of a Single-Photon Synchronization Subsystem of a Quantum Key Distribution System with Sequential Polling of Segments of Fiber-Optic Line with a Decreasing Length”			

15:20-15:30	COFFEE BREAK			
PARALLEL SESSIONS 15:30-17:00 MONDAY, NOVEMBER 04	INTERPHOTONICS			
	PHOENIX 1	PHOENIX 2	PHOENIX 3	
	<p><i>Chairperson:</i> Dana Seyringer</p> <p style="text-align: center;">(15:30-16:00) Dana Seyringer</p> <p>Vorarlberg University of Applied Sciences, Austria</p> <p style="text-align: center;">(Invited Speaker)</p> <p>“Optical splitters: design and applications”</p> <p style="text-align: center;">(16:00-16:30) Jean-Luc Pelouard</p> <p>Center for Nanoscience and Nanotechnology - CNRS - Université Paris-Saclay, France</p> <p style="text-align: center;">(Invited Speaker)</p> <p>“Revisiting SWIR Photo-Detection: Improvements Based on Sub-wavelength Resonators”</p> <p style="text-align: center;">(16:30-17:00) Ahmad Ashrif A Bakar</p> <p>Universiti Kebangsaan Malaysia, Malaysia</p> <p style="text-align: center;">(Invited Speaker)</p> <p>“Polyurethane Polycation as a Bio-based Ion-Selective Membrane for Nitrate Optical Fibre Sensors”</p>	<p><i>Chairperson:</i> Aurelian Popescu</p> <p style="text-align: center;">(15:30-15:50) Aurelian Popescu</p> <p>National R&D Institute for Optoelectronics INOE 2000, Romania</p> <p style="text-align: center;">(ID 339)</p> <p>“Optical resonance in As₂Se₃-Au plasmonic planar waveguides for chemical sensors applications”</p> <p style="text-align: center;">(15:50-16:20) Eugene Glushko</p> <p>Institute of Semiconductor Physics, Ukraine</p> <p style="text-align: center;">(Invited Speaker)</p> <p>“Needle-Shaped Resonant Metallic Quenching of Electromagnetic Field in Photonic Crystals: Physics and Applications”</p> <p style="text-align: center;">(16:20-16:50) Seiichi Miyazaki</p> <p>Nagoya University, Japan</p> <p style="text-align: center;">(Invited Speaker)</p> <p>“Fabrication and Characterization of Multiple Stack Si/Ge Quantum Dots for Light Emission”</p>	<p><i>Chairperson:</i> Hairul Azhar Abdul-Rashid</p> <p style="text-align: center;">(15:30-16:00) Hairul Azhar Abdul-Rashid</p> <p>Multimedia University, Malaysia</p> <p style="text-align: center;">(Invited Speaker)</p> <p>“Specialty Optical Fiber for Optical Amplification”</p> <p style="text-align: center;">(16:00-16:30) Hikmat Hilal</p> <p>An-Najah National University, Palestinian Territory</p> <p style="text-align: center;">(Invited Speaker)</p> <p>“Simple Strategies to Enhance Efficiency and Stability of Nano-Film Electrodes in Solar Energy Conversion Processes”</p>	

PROGRAM				
TUESDAY, NOVEMBER 05, 2019				
PARALLEL SESSIONS 09:30-11:00 TUESDAY, NOVEMBER 05	INTERPHOTONICS			OCT&BIOPHOTONICS
	PHOENIX 1	PHOENIX 2	PHOENIX 3	
	<p><i>Chairperson:</i> Nji Raden Poespawati</p> <p style="text-align: center;">(09:30-10:00) Nji Raden Poespawati</p> <p style="text-align: center;">Universitas Indonesia, Indonesia</p> <p style="text-align: center;">(Invited Speaker)</p> <p>“Analysis of the Effect of the Amount of Lead Content in Perovskite Material as an Active Layer of Solar Cell”</p> <p style="text-align: center;">(10:00-10:30) Xingtian Yin</p> <p style="text-align: center;">Xi'an jiaotong University, China</p> <p style="text-align: center;">(Invited Speaker)</p> <p>“Solution-derived Transition Metal Oxides as Carrier Selective Contacts for High Efficiency Perovskite Solar Cells”</p> <p style="text-align: center;">(10:30-11:00) Agnieszka Pieniążek</p> <p style="text-align: center;">Institute of Physics PAS, Poland</p> <p style="text-align: center;">(Invited Speaker)</p> <p>“Light emission properties of axial ZnO/Zn1-xMgxO single quantum well on vertical ZnO microrods”</p>	<p><i>Chairperson:</i> Seiichi Uchiyama</p> <p style="text-align: center;">(09:30-10:00) Seiichi Uchiyama</p> <p style="text-align: center;">The University of Tokyo, Japan</p> <p style="text-align: center;">(Invited Speaker)</p> <p>“Intracellular thermometry with fluorescent polymeric thermometers”</p> <p style="text-align: center;">(10:00-10:30) Shiro Ryu</p> <p style="text-align: center;">Meiji University, Japan</p> <p style="text-align: center;">(Invited Speaker)</p> <p>“Novel Optical Time/Frequency Domain Reflectometry Capable of Continuous Time-Domain Measurement of Rayleigh Backscattered Light”</p> <p style="text-align: center;">(10:30-11:00) Md Zaini Jamaludin</p> <p style="text-align: center;">Universiti Tenaga Nasional, Malaysia</p> <p style="text-align: center;">(Invited Speaker)</p> <p>“Thermophotovoltaic System for Energy Scavenging”</p>	<p><i>Chairperson:</i> Alexey Feofanov</p> <p style="text-align: center;">(09:30-10:00) Alexey Feofanov</p> <p style="text-align: center;">Lomonosov Moscow State University, Russian Federation</p> <p style="text-align: center;">(Invited Speaker)</p> <p>“Interactions of nucleosomes with proteins: single-particle FRET microscopy studies”</p> <p style="text-align: center;">(10:00-10:30) Michal Hricovini</p> <p style="text-align: center;">Slovak Academy of Sciences, Slovakia</p> <p style="text-align: center;">(Invited Speaker)</p> <p>“The Spectroscopic and DFT Analysis of Photochemical Processes in Quinazolinone-Derived Schiff bases.”</p> <p style="text-align: center;">(10:30-11:00) Sureshkumar Murugesan</p> <p style="text-align: center;">Vels Institute of Science, Technology and Advanced Studies, Pallavaram, Chennai, Tamil Nadu, India</p> <p style="text-align: center;">(Invited Speaker)</p> <p>“A Brief Report On Hemocompatible, Photodynamic, Anti-Microbial Behaviour Of Phloroglucinol Succinic Acid (Pgsa) Dendrimer”</p>	
	11:00-11:10	COFFEE BREAK		

PARALLEL SESSIONS 11:10-12:30 TUESDAY, NOVEMBER 05	<p><i>Chairperson:</i> Maxim Afanasev</p> <p>(11:10-11:30) Maxim Afanasev Dushkin Alexander</p> <p>Sechenov First Moscow State Medical University, Russian Federation</p> <p>(ID 351)</p> <p>“Clinical Efficacy Of Photodynamic Therapy For Pre-Malignant Cin And Malignant Invasive Cervical Cancer”</p>	<p><i>Chairperson:</i> Ahmad Shukri Bin Muhammad Noor</p> <p>(11:10-11:40) Ahmad Shukri Bin Muhammad Noor</p> <p>Universiti Putra Malaysia, Malaysia</p> <p>(Invited Speaker)</p> <p>“Graphene Oxide and Graphene Quantum Dots for Optical Sensing Application”</p>	<p><i>Chairperson:</i> Sergey Alexandrov</p> <p>(11:10-11:40) Sergey Alexandrov</p> <p>National University of Ireland, Ireland</p> <p>(Invited Speaker)</p> <p>“Visualization Of Sub-Micron Structure Using Nano-Sensitive Optical Coherence Tomography”</p>	
	<p>(11:30-12:00) Grazielly Martins Peixoto de Oliveira</p> <p>Sorocaba Eye Banl - Sorocaba Ophthalmologic Hospital, Brazil</p> <p>(Invited Speaker)</p> <p>“Laser in Ophthalmology”</p>	<p>(11:40-12:10) Antonio Palucci</p> <p>ENEA, Italy</p> <p>(Invited Speaker)</p> <p>“Optoelectronic tools in non-contact detection of threats for security implementation”</p>	<p>(11:40-12:10) Camila Dale</p> <p>University of São Paulo, Brazil</p> <p>(Invited Speaker)</p> <p>“Molecular mechanisms involved on photobiomodulation-induced analgesia on experimental diabetic neuropathy”</p>	
	<p>(12:10-12:30) Adambek Tatenov Kazakh National Womens Training University, Kazakhstan</p> <p>(Invited Speaker)</p> <p>“Wave Optics and Algorithms of Interactive Virtualization in the Environment of Flash-Cc”</p>			
12:30-13:30	LUNCH			
13:30 - 18:00 TUESDAY, NOVEMBER 05	SOCIAL PROGRAM “ANTALYA CITY TOUR”			
PROGRAM WEDNESDAY, NOVEMBER 06, 2019				
PARALLEL SESSIONS 09:30-11:50 WEDNESDAY, NOVEMBER 06	INTERPHOTONICS			OCT&BIOPHOTONICS
	PHOENIX 1	PHOENIX 2		PHOENIX 3
	<p><i>Chairperson:</i> Mehmet Alp Ilgaz</p> <p>(09:30-10:00) Mehmet Alp Ilgaz</p> <p>University of Ljubljana, Slovenia</p> <p>(Invited Speaker)</p> <p>“Current development of the opto-electronic oscillator”</p> <p>(10:00-10:30) Mehmet Alp Ilgaz</p> <p>University of Ljubljana, Slovenia</p>	<p><i>Chairperson:</i> Mary Li</p> <p>(09:30-10:00) Mary Li</p> <p>NASA Goddard Space Flight Center, United States</p> <p>(Invited Speaker)</p> <p>“Microshutter Systems for Optical Applications in Space”</p> <p>(10:00-10:30) Ion Lancranjan National Institute of R&D for OPTOELECTRONICS INOE-2000, Romania</p>		<p><i>Chairperson:</i> Jun Zhang</p> <p>(09:30-10:00) Jun Zhang</p> <p>Sun Yat-sen University, China</p> <p>(Invited Speaker)</p> <p>“Removal of saturation effects in endoscopic swept source OCT imaging”</p> <p>(10:00-10:30) Lev Matveev</p>

	<p>(Invited Speaker)</p> <p>“Modelling Of Deteriorated Electrical Steel Properties Due To Laser Cutting Procedure”</p> <p>(10:30-11:00) Muhammad Ijaz</p> <p>Manchester Metropolitan University, England</p> <p>(Invited Speaker)</p> <p>“Indoor Localization of Drones using Visible Light Communications for Industrial Applications”</p> <p>(11:00-11:30) Alexander Sukharev</p> <p>Ioffe Institute, Russian Federation</p> <p>(Invited Speaker)</p> <p>“High-precision PSD with a new principle of spatial separation of photocurrents”</p> <p>(11:30-11:50) Tong Su</p> <p>Xi’an Institute of Optics and Precision Mechanics of CAS, China</p> <p>(ID 379)</p> <p>“The Principle and Implementation of X-Ray Communication and Its Application in Re-enter Plasma Sheath”</p>	<p>(Invited Speaker)</p> <p>“Simulation/Design And Development Of A Long Period Grating Fiber Sensor Device For Pathogen Bacteria Detection”</p> <p>(10:30-11:00) Anna Shulga</p> <p>Vavilov State Optical Institute, Russia</p> <p>(Invited Speaker)</p> <p>“Combined Method Of Energy And Power Meters Calibration In Optical Range”</p> <p>(11:00-11:20) Shanshan Chen</p> <p>Department of Physics, Beijing Normal University, China</p> <p>(ID 428)</p> <p>“Phononic entanglement concentration via optomechanical interactions”</p> <p>(11:20-11:40) Huan Yang</p> <p>Beijing Normal University, China</p> <p>(ID 431)</p> <p>“Probability theory in conditional-averaging ghost imaging with thermal light”</p>	<p>Russian Academy of Sciences, Russian Federation</p> <p>(Invited Speaker)</p> <p>“OCT speckles statistics: simulation, evaluation and signal processing for tissue mapping”</p> <p>(10:30-11:00) Kohei SOGA</p> <p>Tokyo University of Science, Japan</p> <p>(Invited Speaker)</p> <p>“Materials and Device Development of Near Infrared Photonics for Biomedical Applications”</p> <p>(11:00-11:30) Miguel Puertas-Mejía</p> <p>Universidad de Antioquia, Colombia</p> <p>(Invited Speaker)</p> <p>“Photoprotective potential of natural extract from high-altitude plants and marine algae from Colombia”</p> <p>(11:30-11:50) Farzad Salehpour</p> <p>Tabriz University of Medical Sciences, Iran</p> <p>(ID 395)</p> <p>“Brain Photobiomodulation Therapy: A Cutting-Edge Technology in Neurorehabilitation”</p>	
11:50-13:00	LUNCH			
PARALLEL SESSIONS 13:00-14:30 WEDNESDAY, NOVEMBER 06	<p>PHOENIX 1</p> <p><i>Chairperson:</i> Yuan'an Zhao</p> <p>(13:00-13:20) Yuan'an Zhao</p> <p>Chinese Academy of Sciences, China</p> <p>(ID 429)</p> <p>“Tracking and Understanding Laser Damage Events: From Micro-Defects to Nano-Precursors”</p> <p>(13:20-13:40) Valentin Ivanov</p> <p>Russian Federation</p> <p>(ID 297)</p> <p>“Micrichannel Plate Properties in Strong Magnetic Field”</p>	<p>PHOENIX 2</p> <p><i>Chairperson:</i> Victor Koledov</p> <p>(13:00-13:30) Victor Koledov</p> <p>Kotelnikov IRE RAS, Russian Federation</p> <p>(Invited Speaker)</p> <p>“Mechanical bottom up nano-assembling of photovoltaics nano-device based on individual nano-objects nanomanipulation and characterization using extreme small nanotweezers”</p> <p>(13:30-14:00) Victor Koledov</p> <p>Kotelnikov IRE RAS, Russian Federation</p> <p>(Invited Speaker)</p> <p>“3D-nanomanipulation and characterization using extreme small nanotweezers for SEM/TEM/Optical microscopy”</p>		<p>PHOENIX 3</p> <p><i>Chairperson:</i> Jens Möller</p> <p>(13:00-13:30) Jens Möller</p> <p>Ruhr University Bochum, Germany</p> <p>(Invited Speaker)</p> <p>“In vivo investigation of peripheral nerves using optical coherence tomography and texture analysis”</p> <p>(13:30-14:00) Vladimir Y. Zaitsev</p> <p>Russian Academy of Sciences, Nizhny Novgorod, Russia</p> <p>(Invited Speaker)</p> <p>“OCT elastography for imaging microscopic deformation and strain of tissue: the 20 year perspective”</p>

	<p>(13:40-14:10) Yigit Ozan Aydin</p> <p>Center for Optics, Photonics and Laser, Laval University, Canada</p> <p>(Invited Speaker)</p> <p>“High-power 3 μm fiber lasers and amplifiers”</p> <p>(14:10-14:30) Alexander Omelchenko</p> <p>Russian Academy of Sciences, Russian Federation</p> <p>(ID 397)</p> <p>“Reversibility of Mechanical Properties in The Laser-Cartilage Reshaping”</p>	<p>(14:00-14:30) Michal Kohout</p> <p>University of Chemistry and Technology Prague, Czech Republic</p> <p>(Invited Speaker)</p> <p>“Design and synthesis of photosensitive liquid crystals and their application in light-tunable flexoelectric domains”</p>	<p>after seminal J. Schmitt's publication”</p> <p>(14:00-14:30) Iouri Borissevitch</p> <p>Universidade de São Paulo, Brazil</p> <p>(Invited Speaker)</p> <p>“Biscyanine Dyes And Nitrofurans Derivatives – New Classes Of Photosensitizers For Photodynamic Therapy”</p>	
14:30-14:40	COFFEE BREAK			
PARALLEL SESSIONS 14:40-16:00 WEDNESDAY, NOVEMBER 06	<p><i>Chairperson:</i> Jianjun Chen</p> <p>(14:40-15:10) Jianjun Chen</p> <p>National Astronomical Observatories of China, CAS, China</p> <p>(Invited Speaker)</p> <p>“LAMOST Telescope, An Optical Fiber Application in Astronomy”</p>	<p><i>Chairperson:</i> Hiroyuki Yashima</p> <p>(14:40-15:10) Hiroyuki Yashima</p> <p>Tokyo University of Science, Japan</p> <p>(Invited Speaker)</p> <p>“SIMULATION ON APPLICATION OF QD-SOA TO SOME ALL OPTICAL LOGIC GATES”</p>		<p><i>Chairperson:</i> Wenquan Ma</p> <p>(14:40-15:10) Wenquan Ma</p> <p>Chinese Academy of Sciences, China</p> <p>(Invited Speaker)</p> <p>“Type II InAs/GaSb Superlattice Infrared Photodetectors”</p>
	<p>(15:10-15:40) Konstantin Lyakhov</p> <p>Steklov Mathematical Institute of Russian Academy of Science, Russian Federation</p> <p>(Invited Speaker)</p> <p>“Ab-initio calculations of (C5H5)2Zr(OCN)2 infrared spectrum”</p>	<p>(15:10-15:40) Ognyan Ivanov</p> <p>Institute of Solid State Physics, Bulgarian Academy of Sciences, Bulgaria</p> <p>(Invited Speaker)</p> <p>“Application of Electromagnetic Charge Effect for Development of Optical Sensors”</p>		<p>(15:10-15:40) Zhiguo Yi</p> <p>Chinese Academy of Sciences, China</p> <p>(Invited Speaker)</p> <p>“Nano Semiconductor Photocatalytic Materials Design toward Methane Oxidation under Ambient Conditions”</p>
	<p>(15:40-16:00) Jonas MIKALAIUSKAS EKSPALA, Lithuania</p> <p>(Exhibitor)</p>	<p>(15:40-16:10) Aderemi R. Oki Prairie View A&M University, USA</p> <p>(Invited Speaker)</p> <p>“Copper(1)Sulphide Nanoparticles in Photothermal Therapy”</p>		<p>(15:40-16:10) Yiming Pan Weizmann Institute of Science, Israel</p> <p>(Invited Speaker)</p> <p>“Observation of anomalous pi modes in Floquet topological photonics and its application to non-adiabatic elimination”</p>
	<p>FOYER (Poster Session Area) Chairperson: Ersin Kayahan</p> <p>POSTER SESSION (INTERPHOTONICS 2019)</p>			

PROGRAM
THURSDAY, NOVEMBER 07, 2019

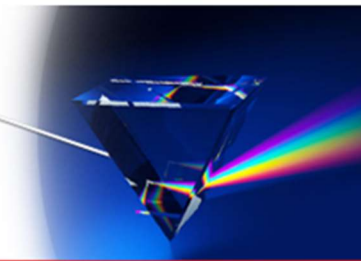
INTERPHOTONICS				
	PHOENIX 1	PHOENIX 2	PHOENIX 3	
PARALLEL SESSIONS 09:30-11:30 THURSDAY, NOVEMBER 07	<p><i>Chairperson:</i> Ryszard Piramidowicz</p> <p style="text-align: center;">(09:30-10:00) Ryszard Piramidowicz</p> <p style="text-align: center;">Warsaw University of Technology, Poland</p> <p style="text-align: center;">(Invited Speaker)</p> <p style="text-align: center;">“Integrated Photonics – Technological Platforms And Applications”</p> <p style="text-align: center;">(10:00-10:30) Jovan Nedeljkovic</p> <p style="text-align: center;">Vinca Institute of Nuclear Sciences, Serbia</p> <p style="text-align: center;">(Invited Speaker)</p> <p style="text-align: center;">“Optical and photocatalytic properties of inorganic-organic hybrid materials”</p> <p style="text-align: center;">(10:30-11:00) Takahiro Kodama</p> <p style="text-align: center;">Kagawa University, Japan</p> <p style="text-align: center;">(Invited Speaker)</p> <p style="text-align: center;">“Digital-Domain Symbol Masking For Secure Coherent Optical Communication”</p> <p style="text-align: center;">(11:00-11:30) Jingquan LIN</p> <p style="text-align: center;">Changchun University of Science and Technology, China</p> <p style="text-align: center;">(Invited Speaker)</p> <p style="text-align: center;">“Visualization the control of ultrafast plasmon by nonlinear multi-photon photoemission electron microscopy”</p>	<p><i>Chairperson:</i> Carlos Doñate Buendía</p> <p style="text-align: center;">(09:30-10:00) Carlos Doñate Buendía</p> <p style="text-align: center;">Universitat Jaume I, Spain</p> <p style="text-align: center;">(Invited Speaker)</p> <p style="text-align: center;">“Pulsed laser ablation in liquids nanoparticle production increase by simultaneous spatial and temporal focusing”</p> <p style="text-align: center;">(10:00-10:30) Raúl Rangel-Rojo</p> <p style="text-align: center;">CICESE, Mexico</p> <p style="text-align: center;">(Invited Speaker)</p> <p style="text-align: center;">“Ordered nanoprism arrays for nonlinear optics”</p> <p style="text-align: center;">(10:30-11:00) Shin'ichiro Hayashi</p> <p style="text-align: center;">National Institute of Information and Communications Technology (NICT), Japan</p> <p style="text-align: center;">(Invited Speaker)</p> <p style="text-align: center;">“Bidirectional Wavelength Conversion between Infrared and Terahertz wave in Nonlinear Crystal”</p> <p style="text-align: center;">(11:00-11:30) Wei-Zen Chen</p> <p style="text-align: center;">NCTU, Taiwan</p> <p style="text-align: center;">(Invited Speaker)</p> <p style="text-align: center;">“Optical PAM-4 Transceiver with Active Back Termination and FFE/DFE/Threshold Adaptation in 40nm CMOS Technology”</p>	<p><i>Chairperson:</i> Martin Sagmeister</p> <p style="text-align: center;">(09:30-10:00) Martin Sagmeister</p> <p style="text-align: center;">ams AG, Austria</p> <p style="text-align: center;">(Invited Speaker)</p> <p style="text-align: center;">“Development of a monolithically integrated, CMOS-compatible SiN photonics process flow for sensor and medical applications”</p> <p style="text-align: center;">(10:00-10:30) Alexander Veber</p> <p style="text-align: center;">Tampere University, Finland</p> <p style="text-align: center;">(Invited Speaker)</p> <p style="text-align: center;">“Progress on the preparation of novel phosphate based glasses and glass- ceramics for photonics”</p> <p style="text-align: center;">(10:30-11:00) B. Imran Akca</p> <p style="text-align: center;">VU University Amsterdam, Netherlands</p> <p style="text-align: center;">(Invited Speaker)</p> <p style="text-align: center;">“Optical Coherence Tomography on a Silicon Chip”</p> <p style="text-align: center;">(11:00-11:30) Luis Jimenez</p> <p style="text-align: center;">Universidad Nacional de San Antonio Abad del Cusco, Peru</p> <p style="text-align: center;">(Invited Speaker)</p> <p style="text-align: center;">“Development and thermal assessment of a blue light emitting diode phototherapy device for neonatal jaundice treatment in Kangaroo mother care”</p>	
	12:00-13:00	LUNCH		
	13:30-18:00 THURSDAY, NOVEMBER 08	SOCIAL PROGRAM “SOCIAL PROGRAM OLYMPOS AND CHIMERA TOUR”		

PROGRAM
FRIDAY, NOVEMBER 08, 2019

INTERPHOTONICS				
	PHOENIX 1	PHOENIX 2	PHOENIX 3	
PARALLEL SESSIONS 09:30-12:00 FRIDAY, NOVEMBER 08	Chairperson: Anna Jusza (09:30-10:00) Anna Jusza Warsaw University of Technology, Poland (Invited Speaker) "Progress in RE3+-doped active materials for visible light sources"	Chairperson: Uwe Bandelow (09:30-10:00) Uwe Bandelow Weierstrass Institute for Applied Analysis and Stochastics, Germany (Invited Speaker) "Ultrashort solitons and their interaction with dispersive waves in the regime of event horizons in nonlinear optical media"	Chairperson: Marco Pisco (09:30-10:00) Marco Pisco University of Sannio, Italy (Invited Speaker) "Optomechanical Lab on Fiber Accelerometers"	
	(10:00-10:20) Mikhail Belkin MIREA - Russian Technological University, Russian Federation (ID 382) "Microwave Photonics Characterization and Application of Long-Wavelength VCSELs in Atypical Regimes"	(10:00-10:30) Erik Cerwen Sweden (Invited Speaker) "Constrained Locality with Extended Horizons in the Abstract Geometry of Signal Transmission"	(10:00-10:30) Alexei Vitukhnovsky P.N. Lebedev Physical Institute RAS, Russian Federation (Invited Speaker) "DLW-STED Nanolithography for Photonic Networks and Devices"	
	(10:20-10:50) Aleksandr Prokopenko Tomsk State University, Russian Federation (Invited Speaker) "Photochemical and Photophysical Properties of Novel Dipyrromethene Complexes with Boron and Zinc"	(10:30-11:00) Igor Larionov NTO "IRE-Polus", Russian Federation (Invited Speaker) "Difference-Frequency Generation in Mid-IR Range of Broadband Fiber Lasers Radiation in PP-Crystals."	(10:30-11:00) Takeshi Sato The University of Tokyo, Japan (Invited Speaker) "Time-Dependent Wavefunction-Based Methods for Intense Laser-Driven Multielectron Dynamics"	
	(10:50-11:20) Alena Zavidilová Czech Technical University, Czech Republic (Invited Speaker) "Phase Interferometry Using Synchronously Intracavity Pumped OPO"	(11:00-11:30) Yohei AIKAWA Okinawa College, Japan (Invited Speaker) Integrated Optical Comparator for 2 successive QPSK-modulated Symbols Based on Silicon Photonic Waveguide	(11:00-11:30) Hossein Alisafae Rose-Hulman Institute of Technology, United States (Invited Speaker) "Challenges in Optical Characterization of Hyperbolic Metamaterials"	
	LUNCH			
	SOCIAL PROGRAM			
	"BOAT CRUISE AND PHASELIS"			
	13:30-18:00 FRIDAY, NOVEMBER 08			

PROGRAM
SATURDAY, NOVEMBER 09, 2019

		INTERPHOTONICS		
		PHOENIX 1		
PARALLEL SESSIONS 10:00-12:00 SATURDAY, NOVEMBER 09	<i>Chairperson:</i> Onur Alp Aksan (10:00-10:20) Onur Alp Aksan Gebze Technical University, Turkey (ID 450) "Refractive Index Measurements of ZnO/TiO2 Thin Films via Prism Coupler for Possible Using in Optical Biosensors" (10:20-10:40) İbrahim Çınar Kocaeli University, Turkey (ID 468) "Surface Texturing of Mold Metals Using Solid-State Laser"			
	12:00	Hotel Check Out		



POSTER SESSION

INTERPHOTONICS 2019
2nd INTERNATIONAL CONFERENCE ON PHOTONICS RESEARCH

The Mirage Park Resort - Kemer
ANTALYA / TURKEY

<p>PROGRAM POSTER SESSION FOYER WEDNESDAY, NOVEMBER 06, 2019 16:10-17:10</p>		
<p>Chairperson: Ersin KAYAHAN</p> <p>(SUBMISSION ID 285-462 for INTERPHOTONICS 2019)</p>		
ID	Title	Contact Author
285	Modeling of Dual-Junction Tandem Based on InGaP/GaAs Heterojunction Stacked on a Ge Solar Cell	Fayçal Bouzid
286	Synthesis and Characterization of Nickel Nanoparticles Supported on Aluminum Oxide	Djamel Eddine Belfennache
294	Determination of Light Induced Degradation (LID) Origin in Multicrystalline mc-Si Solar Cells	Yacine Kouhlane
328	Near-Infrared Persistent Luminescence Cr ³⁺ Doped Zinc Aluminum Germanate Nanoparticles for Optical Information Encryption	Yi Zhang
337	A Technique for Measuring the Spatially Distributed Scattering of Single Crystal Fibers	Yuan'an Zhao
338	3D-nanomanipulation and characterization using extreme small nanotweezers for SEM/TEM/Optical microscopy	Svetlana von Gratowski
342	Plasmon Effect of Ag Nanoparticles on the Photonics of Cationic Polymethine Dyes	Evgeniya Seliverstova
361	The Effect of Size and Shape Silver Nanoparticles on Antibacterial Activity	Mohamed Remram
363	Optical Harmonic Generation in Time-Dependent Quantum Box	Saparboy Rakhmanov
385	Microscopic Nonlinear Quantum Theory of Strong Electromagnetic Radiation Absorption in Doped Bilayer Graphene	Armenuhi Ghazaryan
391	A Study of Structural and Optical Properties of Silicon Carbide Thin Films for Photovoltaic Applications	Fatema Ahmed
394	Application of Brillouin Reflectometry	Nikolay Gorlov
400	The Application of Optical Coherence Tomography Angiography in Microvascular Diseases	Xiaosong Li

401	Novel Far UV-Vis Range of bis(dihydrophenanthro[9,10-e][1,2,4]triazine) Derivative Dyes: Synthesis, Optical, Photophysical Parameters in Different Solvents	Maram Abou Kana
410	Photochromic Recording Media with Photomodulated Luminescence	Anton Ayt
415	On How to Characterize a Kerr Lens Effect	Sabrina Leghmizi
417	Structural, Optical and Electrical Properties of an Electron Beam Evaporated TiOxNy Films as Selective Solar Absorber Coatings	Zebib Yenus Nuru
422	Theoretical Investigations About Polarizabilities of Niobium Clusters Nbn(n=2-15)	Angyang Yu
423	Optical Vector 0π Pulse in Anisotropic Media	Guram Adamashvili
424	Silicon Nanodiodes for Wireless Opto-Electric Stimulation of Excitable Cells	Yue Zhang
438	Regulatory Risk Assessment of Photodynamic Agents Based on Qsar Estimates	Nadezhda Aksenova
439	Upconversion Luminescence Properties of Tm ³⁺ /Yb ³⁺ co-doped CdF ₂ Single Crystals	Madjid Diaf
446	Optical Oroperties of Pr ³⁺ Doped CaF ₂ Crystals	Saidi Khiari
451	Device for Large Scale Fog Decontamination	Ognyan Ivanov
458	Length Restrictions of a Quantum Key Distribution Because of Two-Stage Synchronisation Algorithm	Hayder Shakir
462	Simultaneous Measurement of Curvature and Temperature Based on a line-by-line Inscribed Fiber Bragg Grating	Xuewen Shu