

	Monday, 27 of April		
9.00 - 10.00	REGISTRATION		
10.00 - 10.10	Opening Ceremony		
10.10 - 11.40	Topical Session I		
11.40 - 12.00	COFFEE BREAK		
12.00 - 13.30	Topical Session II		
13.30 - 14.30	Elevator Speech		
14.30 - 16.00	LUNCH		
16.00 – 18.00	Poster Session		

	Tuesday, 28 of April		
8.30 - 9.00	REGISTRATION		
9.00 - 10.00	Plenary Talks		
10.05 - 11.35	THz Symposium - Spectroscopy		
11.35 - 12.00	COFFEE BREAK		
12.00 - 13.45	THz Symposium - Metamaterials and Devices		
13.45 - 14.30	Elevator Speech		
14.30 - 15.15	LUNCH		
15.15 - 17.30	2D Materials Symposium	THz Symposium	Poster Session
17.15 - 19.00	SPb-POEM Welcome Drink Reception; SPbAU University Excursion		

	Wednesday, 29 of April		
8.30 - 9.00	REGISTRATION		
9.00 - 10.00	Plenary Talks		
10.05 - 11.35	THz Symposium - Imaging	2D Materials Symposium	
11.35 - 11.55	COFFEE BREAK		
11.55 - 14.00	THz Symposium - Nonlinear and high field	Quantum Materials	
14.00 - 14.45	Elevator Speech		
14.45 - 15.30	LUNCH		
15.30 - 18.00	Applied Nanophotonics	Recent Advances in Fabrication and Analyses Methods	Poster Session
18.00 - 18.30	SPb-POEM/SPb-Open Award Ceremony [Best Student Poster Presentation; Best Student Talk]		

	Thursday, 30 of April	
8.45 - 9.00	REGISTRATION	
9.00 - 10.00	Plenary Talks	
10.00 - 11.05	Photonic and Optoelectronic Materials	Applied Materials for Sensing
11.05 - 11.30	COFFEE BREAK	
11.30 - 12.55	Microscopy and Microspectroscopy	Nanophotonics
12.55 - 13.40	LUNCH	
13.40 - 15.55	Smart Nanomaterials	
16.00 - 16.20	Closing Ceremony: Best Presentation Award	

Tuesday, 28 April

8.30 - 9.00	REGISTRATION
9.00 - 09.30	Rafailov E. U. <i>Advances in the development of compact and efficient semiconductor based THz sources</i>
9.30 - 10.00	Mukhin I. <i>TBA</i>
10.05 - 11.35	THz Symposium - Spectroscopy
10.05- 10.35	Vaks V.L. <i>New methods and approaches in high-resolution THz spectrometry.</i>
10.35 - 10.55	Nazarov M.M. <i>THz spectroscopy of biological solutions: conventional approaches and waveguide sensors.</i>
10.55 - 11.15	Motovilov K. <i>Copper doping and hydration of melanin in the view of bioelectronic applications.</i>
11.15 - 11.35	Markmann S. <i>2D-THz-Spectroscopy on a Quantum Cascade Structure.</i>
11.35 - 12.00	Coffee break
12.00 - 13.45	THz Symposium - Metamaterials and devices
12.00 - 12.20	Degl'Innocenti R. <i>Active metamaterial polarization modulators for the Terahertz frequency range.</i>
12.20 - 12.40	Kuznetsov S.A. <i>Functional devices of THz photonics based on plasmonic metasurfaces.</i>
12.40 - 13.00	Kim T. T. <i>Observation of exceptional points in non-Hermitian metasurfaces.</i>
13.00 - 13.20	Ponomarev D.S. <i>Terahertz antennas featuring a high-aspect ratio metal grating.</i>
13.20 - 13.35	Boytsova O.V. <i>Self-organized vanadium dioxide 2D and 3D structures with metal-insulator transition and THz transmission switch properties.</i>
13.45 - 14.30	Elevator Speech

14.30 - 15.15	Lunch			
15.15 - 17.30	2D Materials Symposium	15.15 - 17.10	THz Symposium	Poster Session
15.15 - 15.35	Yang E. <i>Fractional edge charge of $e/2$ in interacting disordered graphene zigzag nanoribbon</i>	15.15 - 15.30	Xinrui Liu. <i>Generation of a gigahertz pulse sequence using two interference terahertz pulses.</i>	
15.35 - 15.55	Kotova L.V. <i>Polarization properties of MoS2 thin films.</i>	15.30 - 15.45	Rybak A.A. <i>Study the terahertz properties of nonlinear crystals of potassium titanyl phosphate in a wide temperature range.</i>	
15.55 - 16.15	Enaldiev V.V. <i>Atomic reconstruction in twisted bilayers of transition metal dichalcogenides.</i>	15.45 - 16.00	Kvitsinskiy A. <i>Optically driven terahertz waves polarization control by unaligned single-wall carbon nanotubes.</i>	
16.15 - 16.35	Harutyunyan A.R. <i>Surfactant Mediated Growth of Two-Dimensional Transition Metal Dichalcogenides.</i>	16.00 - 16.20	Wei B. <i>Mapping the electric field distribution on terahertz resonant devices with a scattering-type scanning near-field optical microscope.</i>	
16.35 - 16.55	Xiaoyu Jia <i>Kinetic Ionic Permeation and Interfacial Doping of Supported Graphene.</i>	16.20 - 16.35	Michailow W. <i>Direct Detection of Terahertz Radiation in a Dual-Gated GaAs-AlGaAs Two-Dimensional Electron Gas.</i>	
16.55 - 17.15	Brambilla A. <i>Templating effects of Graphene in stabilizing ultrathin compounds on Ni(111).</i>	16.35 - 16.50	Sheglov P.A. <i>Strong terahertz pulses generation by TW laser filamentation in low pressure nitrogen.</i>	
17.15- 17.30	Dezhkina M.A. <i>Blister-based laser-induced forward transfer of 1D and 2D carbon nanomaterials.</i>	16.50 - 17.10	Zhukova M.O. <i>Nonlinear refractive index estimation of electro-optical crystals and liquids used for detection and generation of THz radiation.</i>	
17.15 - 19.00	SPb-POEM Welcome Drink Reception; SPbAU University Excursion			

Wednesday, 29 April

8.30-9.00	REGISTRATION			
9.00-09.30	Pavesi L. <i>Neuromorphic photonics as a route to hybrid artificial intelligence.</i>			
09.30-10.00	Rasing T. <i>All-optical control of spins: from fundamentals to brain-inspired computing.</i>			
10.05-11.35	THz Symposium - Imaging	10.05-11.35	2D Materials Symposium	Poster Session
10.05-10.35	Peccianti M. <i>Terahertz Hyperspectral Nonlinear Ghost Imaging.</i>	10.05-10.25	Mailis S. <i>Laser synthesis of 2D Transition Metal Dichalcogenides.</i>	
10.35-10.55	Antonov V.N. <i>Detection of black body radiation using a compact terahertz imager.</i>	10.25-10.45	Portnoi M.E. <i>Momentum alignment of photoexcited carriers in low-dimensional Dirac materials as a route to optovalleytronics.</i>	
10.55-11.15	Zaytsev K.I. <i>THz imaging of soft biological tissues with spatial resolution beyond the Abbe limit.</i>	10.45-11.05	Kralj M. <i>Pristine and modified interfaces with epitaxial 2D materials: electronic and optical properties.</i>	
11.15-11.35	Gorodetsky A.	11.05-11.25	Baron A. <i>Huygens sources and perfect absorbers with colloidal meta-atoms.</i>	
		11.25-11.40	Oral TBA	
11.35 - 11.55	Coffee break			
11.55 - 14.00	THz Symposium - Nonlinear and high field	11.55-14.00	Quantum Materials	
12.00-12.30	Babushkin I. V. <i>Ionization-induced THz generation in circularly-polarized multicolor strong fields: looking inside the atom.</i>	11.55-12.15	Walther P. <i>Photonic quantum computing.</i>	
12.30-12.50	Koulouklidis A.D. <i>Generation of Intense THz Pulses With High Efficiency From Mid-Infrared Two-Color Laser Filaments.</i>	12.15-12.35	Vewinger F. <i>Photon Condensates in Microstructured Trapping Potentials.</i>	
12.50-13.10	Oladyshkin I. V. <i>Interaction of femtosecond laser pulses with metals: nonlinear heating,</i>	12.35-12.55	Markmann S. <i>Universal properties of confined electron spins.</i>	

	<i>ablation and terahertz response.</i>			
13.10-13.30	Totero Gongora J.S. <i>Two-colour Surface Optical Rectification.</i>	12.55-13.15	Martini F. <i>Toward a Silicon Carbide Platform for Photonic Quantum Technologies.</i>	
13.30-13.45	Arkhipov R.M. <i>Generation of sub cycle terahertz pulses via coherent control of nonlinear medium by femtosecond pulses.</i>	13.15-13.30	Burmistrov E.R. <i>The scattering of the charge carriers in the impurity ions in the heterostructure AlSb(-Te)/InAs/(-Te)AlSb.</i>	
13.45-14.00	Ponomareva E.A. <i>Laser and matter properties effect on the enhancement of THz waves generation during liquid jets double pulse excitation.</i>	13.30-13.45	Shakhovoy R. <i>Phase diffusion and quantum noise extraction in an optical quantum random number generator.</i>	
14.00 - 14.45	Elevator Speech			
14.45 - 15.20	Lunch			
15.20 - 17.55	Applied Nanophotonics	15.30 - 17.55	Recent Advances in Fabrication and Analyses Methods	Poster Session
15.20-15.40	Aguas H. <i>Light trapping photonic structures with a wide angular response for thin film solar cells applications.</i>	15.30-15.45	Milanich A.I. <i>Investigation of 3D stereogram's errors.</i>	
15.40-16.00	De Angelis C. <i>Harmonic generation and reconfigurable photon management at the nanoscale</i>	15.45-16.00	Karlagina Yu. <i>Lacunar-ring structure as a single element of a titanium implant surface.</i>	
16.00-16.20	Toanen V. <i>Tamm plasmon lasers at room temperature.</i>	16.00-16.15	Trofimchuk O.A. <i>Effective conditions for optimal growth of the microalgae Chlorella vulgaris.</i>	
16.20-16.40	Isella G. <i>SiGe: a material platform for near and mid-infrared photonics.</i>	16.15-16.35	Caban P.A. <i>MOCVD of BN in self terminated mode.</i>	
16.40-17.00	Choi S.S. <i>Towards the Ultrafast Optical Nanopore Platform using Nanoslits for Single Molecule Sensing.</i>	16.35-16.55	Kalashnikova A. <i>Picosecond acoustics in nanostructures with phase transitions.</i>	

17.00-17.20	Bollani M. <i>Nano-fabrication and applications of Si nanocrystals patterns via templated dewetting.</i>	16.55-17.10	Mironyuk V.N. <i>Advanced capacitive method for the study of langmuir monolayers: the relationship between frequensy-capacitive characteristics and amount of surfactant on the surface.</i>	
17.20-17.40	Pogoretsky V. <i>Indium phosphide membrane photonic integrated circuits on silicon.</i>	17.10-17.25	Ermatov T. <i>Layer-by-layer deposition technique for the functionalization of microstructured optical fibers.</i>	
17.40-17.55	Shpacovitch V. <i>Surface plasmon resonance (SPR)-based sensor is capable of quantification and sizing of individual biological and non-biological nano-particles.</i>	17.25-17.40	Andreeva E.I. <i>Features of Optical Soliton Sequence Propagation in Single-Mode Fiber.</i>	
		17.40-17.55	Kuimov E.V. <i>Validation of the model for predicting VAC RTD photonics.</i>	
18.00 - 18.30	SPb-POEM/SPb-Open Award Ceremony [Best Student Poster Presentation; Best Student Talk]			

Thursday, 30 April

8.30 - 9.00	Hideaki Shiota , <i>Terahertz Molecular Dynamics of Ionic Liquids Studied by Femtosecond Raman-Induced Kerr Effect Spectroscopy</i>		
9.00 - 9.30	Gummenik A. <i>Material Processing for Smart Fibers.</i>		
9.30 - 10.00	Hess O., TBA		
10.00 - 11.05	Photonic and Optoelectronic Materials	10.00 - 11.05	Applied Materials for Sensing
10.00 - 10.20	Leuchs G. <i>Enhanced optical properties of orthorhombic graphite flakes intercalated with bimetal Au-Ag nanoparticles.</i>	10.00 - 10.20	Perova T. <i>Multichannel Si Photonic Crystal filters with Fine-Tuning Capability of Individual Channels for Sensing and Optical Interconnect Applications.</i>
10.20 - 10.35	Zhiltsov I.M. <i>Porous Silicon Based Structures for Optoelectronic.</i>	10.20 - 10.35	Bronnikov K.A. <i>Choosing the optimal parameters of reconstruction for the shape sensor based on multicore spun optical fiber.</i>
10.35 - 10.50	Shmeliova D.V. <i>Electro-kinetic phenomena in liquid crystals confined</i>	10.35 - 10.50	Kudo A. <i>Design and Fabrication of a Microfluidic Slit Channel</i>

	<i>to porous polymer films for optofluidic application.</i>		<i>toward Fast Detection of Troponin Biomarkers.</i>
10.50 - 11.05	Huttunen M. <i>Collective and non-local effects in nonlinear metasurfaces.</i>	10.50 - 11.05	Mozer K.V. <i>The formation of a sensitive structure of a contact lens sensor</i>
11.05 - 11.30	Coffee break		
11.30 - 13.20	Microscopy and Microspectroscopy	11.30 - 13.20	Nanophotonics
11.30 - 11.50	Leesment S., <i>TBA</i>	11.30 - 11.50	Graciana Puentos G. <i>Spin Hall Effect in Photonic Materials.</i>
11.50 - 12.05	Khnykina K.A. <i>Surface-enhanced Raman spectroscopy study of self-assembled plasmonic films using the streamline optical system.</i>	11.50 - 12.10	Raziman T.V. <i>Exciton diffusion and annihilation in nanophotonic landscapes.</i>
12.05 - 12.20	Bondarenko D.P. <i>Raman spectroscopy study of the morphology of luminescent carbon dots.</i>	12.10 - 12.25	Olekhno N.A. <i>Optical spin momentum locking of entangled surface plasmon-polaritons generated with a nonlinear nanoparticle.</i>
12.20 - 12.35	Mozer K.V. <i>Neural Network Module for tuning an AFM in the study of photonic crystal films</i>	12.25 - 12.40	Yermakov O. <i>Anomalous Imbert-Fedorov shift in hyperbolic metamaterials and metasurfaces.</i>
12.35 - 12.55	Grad D. <i>TESCAN</i>	12.40 - 12.55	Feofanov A.V. <i>Study of anticancer drugs affecting nucleosomal structure using spFRET approach.</i>
12.55 - 13.40	Lunch		
13.40 - 15.55	Smart Nanomaterials		
13.40 - 14.10	Dubrovskiy V. G. <i>Tuning the morphology, composition, crystal phase and statistical properties of ensembles of III-V nanowire heterostructures for optoelectronic applications.</i>		
14.10 - 14.30	V. V. Pavlov <i>Linear and nonlinear magneto-optical phenomena in europium chalcogenides EuX (X = O, S, Se, Te)</i>		
14.30 - 14.50	Cantarero A. <i>Optical properties of extremely narrow GaN nanowires.</i>		
14.50 - 15.10	Gutkin M.Yu. <i>Misfit dislocation loops in core-shell nanowires: critical conditions and equilibrium density.</i>		

15.10 - 15.30	Reznik R.R. <i>Hybrid III-V nanowires on silicon: growth and properties.</i>
15.30 - 15.45	Obreshkov B. <i>Blueshifts of high-order harmonic generation in crystalline silicon subjected to intense femtosecond near-infrared laser pulses.</i>
15.45- 16.00	Anufriev Yu.V. <i>Crystallization waves in glassy semiconductor films.</i>
16.00- 16.20	Closing Ceremony. Best Presentation Award.