



METANANO 2020
online

METANANO 2020

FULL FINAL PROGRAM

14-18 September 2020

Moscow EET (GMT +3)	Monday, September 14th					TIME ZONES						
						Los Angeles (GMT -7)	Dallas, TX, US (GMT -5)	Western European Time (GMT+1)	Central European Time (GMT +2)	India (GMT +5.30)	China Singapore (GMT +8)	Sydney (GMT+10)
09:45 10:00	Opening ceremony					23:45 00:00	01:45 02:00	07:45 08:00	08:45 09:00	12:15 12:30	14:45 15:00	16:45 17:00
10:00 10:40	MATHIAS FINK (Plenary talk)					0:00 0:40	2:00 2:40	8:00 8:40	9:00 9:40	12:30 13:10	15:00 15:40	17:00 17:40
10:40 11:20	MARYNA BODNARCHUK (Plenary talk)					0:40 1:20	2:40 3:20	8:40 9:20	9:40 10:20	13:10 13:50	15:40 16:20	17:40 18:20
11:20 11:30	COFFEE BREAK					1:20 1:30	3:20 3:30	9:20 9:30	10:20 10:30	13:50 14:00	16:20 16:30	18:20 18:30
	Tbilisi Room	Batumi Room	Kazbegi Room	Borjomi Room	Mestia Room							
11:30 13:20	Quantum Metanano I	All-dielectric Nanophotonics I	Graphene and 2D materials I	Advanced Electromagnetic for MRI I		1:30 3:20	3:30 5:20	9:30 11:20	10:30 12:20	14:00 15:50	16:30 18:20	18:30 20:20
13:20 14:20	LUNCH					3:20 4:20	5:20 6:20	11:20 12:20	12:20 13:20	15:50 16:50	18:20 19:20	20:20 21:20
14:20 16:10	Quantum Metanano II	All-dielectric Nanophotonics II	Graphene and 2D materials II	Advanced Electromagnetic for MRI II	Advanced nanophotonic sensing and spectroscopy I	4:20 6:10	6:20 8:10	12:20 14:10	13:20 15:10	16:50 18:40	19:20 21:10	21:20 23:10
16:20 17:00	COFFEE BREAK & POSTER SESSION I					6:20 7:00	8:20 9:00	14:20 15:00	15:20 16:00	18:50 19:30	21:20 22:00	23:20 0:00
17:00 18:50	Quantum Metanano III	All-dielectric Nanophotonics III	Graphene and 2D materials III	Advanced Electromagnetic for MRI III	Advanced nanophotonic sensing and spectroscopy II	7:00 8:50	9:00 10:50	15:00 16:50	16:00 17:50	19:30 21:20	22:00 23:50	0:00 1:50
18:50 19:30	NETWORKING ACTIVITIES					8:50 9:30	10:50 11:30	16:50 17:30	17:50 18:30	21:20 22:00	23:50 0:30	1:50 2:30

Moscow EET (GMT +3)	Tuesday, September 15th					TIME ZONES						
						Los Angeles (GMT -7)	Dallas, TX, US (GMT -5)	Western European Time (GMT+1)	Central European Time (GMT +2)	India (GMT +5.30)	China Singapore (GMT +8)	Sydney (GMT+10)
	Tbilisi Room	Batumi Room	Kazbegi Room	Borjomi Room	Mestia Room							
10:00 11:50	Quantum Metanano IV	All-dielectric Nanophotonics IV	Graphene and 2D materials IV	Magnetic Photonics and Metamaterials I	Nanofabrication for optoelectronic applications I	0:00 1:50	2:00 3:50	8:00 9:50	9:00 10:50	12:30 14:20	15:00 16:50	17:00 18:50
11:50 12:00	COFFEE BREAK					1:50 2:00	3:50 4:00	9:50 10:00	10:50 11:00	14:20 14:30	16:50 17:00	18:50 19:00
12:00 13:50	Wireless power transfer: new phenomena and applications	All-dielectric Nanophotonics V		Magnetic Photonics and Metamaterials II	Nanofabrication for optoelectronic applications II	2:00 3:50	4:00 5:50	10:00 11:50	11:00 12:50	14:30 16:20	17:00 18:50	19:00 20:50
13:50 14:50	LUNCH					3:50 4:50	5:50 6:50	11:50 12:50	12:50 13:50	16:20 17:20	18:50 19:50	20:50 21:50
14:50 16:40	Industrial	All-dielectric Nanophotonics VI		Magnetic Photonics and Metamaterials III	Nanofabrication for optoelectronic applications III	4:50 6:40	6:50 8:40	12:50 14:40	13:50 15:40	17:20 19:10	19:50 21:40	21:50 23:40
16:50 17:30	COFFEE BREAK & POSTER SESSION II					6:50 7:30	8:50 9:30	14:50 15:30	15:50 16:30	19:20 20:00	21:50 22:30	23:50 0:30
17:30 18:10	FEDERICO CAPASSO (Plenary talk)					7:30 8:10	9:30 10:10	15:30 16:10	16:30 17:10	20:00 20:40	22:30 23:10	0:30 1:10
18:10 18:50	NADER ENGHETA (Plenary talk)					8:10 8:50	10:10 10:50	16:10 16:50	17:10 17:50	20:40 21:20	23:10 23:50	1:10 1:50
18:50 19:30	NETWORKING ACTIVITIES AND OPEN POSITIONS					8:50 10:00	10:50 12:00	16:50 18:00	17:50 19:00	21:20 22:30	23:50 1:00	1:50 3:00

Moscow EET (GMT +3)	Wednesday, September 16th					TIME ZONES						
						Los Angeles (GMT -7)	Dallas, TX, US (GMT -5)	Western European Time (GMT+1)	Central European Time (GMT +2)	India (GMT +5.30)	China Singapore (GMT +8)	Sydney (GMT+10)
	Tbilisi Room	Batumi Room	Kazbegi Room	Borjomi Room	Mestia Room							
10:00 11:50	Strong Light-Matter Interactions in Photonic and Plasmonic Devices I	All-dielectric Nanophotonics VII	Advanced systems for applied nanoscience I	RF and Microwave Applications of Complex Electromagnetic Structures I		0:00 1:50	2:00 3:50	8:00 9:50	9:00 10:50	12:30 14:20	15:00 16:50	17:00 18:50
12:00 12:40	COFFEE BREAK & POSTER SESSION III					2:00 2:40	4:00 4:40	10:00 10:40	11:00 11:40	14:30 15:10	17:00 17:40	19:00 19:40
12:40 14:30	Strong Light-Matter Interactions in Photonic and Plasmonic Devices II	All-dielectric Nanophotonics VIII	Advanced systems for applied nanoscience II	RF and Microwave Applications of Complex Electromagnetic Structures II	Nanosystems for light emission and harvesting I	2:40 4:30	4:40 6:30	10:40 12:30	11:40 13:30	15:10 17:00	17:40 19:30	19:40 21:30
14:30 15:30	LUNCH AND OPEN POSITIONS					4:30 5:30	6:30 7:30	12:30 13:30	13:30 14:30	17:00 18:00	19:30 20:30	21:30 22:30
15:30 17:20	Strong Light-Matter Interactions in Photonic and Plasmonic Devices III	Metamaterials and metasurfaces	Advanced systems for applied nanoscience III	RF and Microwave Applications of Complex Electromagnetic Structures III	Nanosystems for light emission and harvesting II	5:30 7:20	7:30 9:20	13:30 15:20	14:30 16:20	18:00 19:50	20:30 22:20	22:30 0:20
17:30 18:10	COFFEE BREAK & POSTER SESSION IV					7:30 8:10	9:30 10:10	15:30 16:10	16:30 17:10	20:00 20:40	22:30 23:10	0:30 1:10
18:10 18:50	SHANHUI FAN (Plenary talk)					8:10 8:50	10:10 10:50	16:10 16:50	17:10 17:50	20:40 21:20	23:10 23:50	1:10 1:50
18:50 20:30	ROUND TABLE DISCUSSION					8:50 10:30	10:50 12:30	16:50 18:30	17:50 19:30	21:20 23:00	23:50 1:30	1:50 3:30

Moscow EET (GMT +3)	Thursday, September 17th					TIME ZONES						
						Los Angeles (GMT -7)	Dallas, TX, US (GMT -5)	Western European Time (GMT+1)	Central European Time (GMT +2)	India (GMT +5.30)	China Singapore (GMT +8)	Sydney (GMT+10)
10:00 10:40	PÄIVI TÖRMÄ (Plenary talk)					0:00 0:40	2:00 2:40	8:00 8:40	9:00 9:40	12:30 13:10	15:00 15:40	17:00 17:40
10:50 11:30	COFFEE BREAK & POSTER SESSION V					0:50 1:30	2:50 3:30	8:50 9:30	9:50 10:30	13:20 14:00	15:50 16:30	17:50 18:30
	Tbilisi Room	Batumi Room	Kazbegi Room	Borjomi Room	Mestia Room							
11:30 13:20	RF and Microwave Applications of Complex Electromagnetic Structures IV	Nanophotonics theory and simulations	Optomechanics and Optical Manipulation I	Plasmonic nanostructures and hot carrier management I	Topological states in classical and quantum systems I	1:30 3:20	3:30 5:20	9:30 11:20	10:30 12:20	14:00 15:50	16:30 18:20	18:30 20:20
13:20 14:20	LUNCH					3:20 4:20	5:20 6:20	11:20 12:20	12:20 13:20	15:50 16:50	18:20 19:20	20:20 21:20
14:20 16:10	Strong Light-Matter Interactions in Photonic and Plasmonic Devices IV	Nanophotonics of complex media	Optomechanics and Optical Manipulation II	Plasmonic nanostructures and hot carrier management II	Topological states in classical and quantum systems II	4:20 6:10	6:20 8:10	12:20 14:10	13:20 15:10	16:50 18:40	19:20 21:10	21:20 23:10
16:20 17:00	COFFEE BREAK & POSTER SESSION VI					6:20 7:00	8:20 9:00	14:20 15:00	15:20 16:00	18:50 19:30	21:20 22:00	23:20 0:00
17:00 18:50	Nonlinear Nanophotonics I	Nanophotonics of optical fibers	Optomechanics and Optical Manipulation III	Plasmonic nanostructures and hot carrier management III	Topological states in classical and quantum systems III	7:00 8:50	9:00 10:50	15:00 16:50	16:00 17:50	19:30 21:20	22:00 23:50	0:00 1:50
18:50 19:30	NETWORKING ACTIVITIES AND OPEN POSITIONS					8:50 9:30	10:50 11:30	16:50 17:30	17:50 18:30	21:20 22:00	23:50 0:30	1:50 2:30

Moscow EET (GMT +3)	Friday, September 18th					TIME ZONES						
						Los Angeles (GMT -7)	Dallas, TX, US (GMT -5)	Western European Time (GMT+1)	Central European Time (GMT +2)	India (GMT +5.30)	China Singapore (GMT +8)	Sydney (GMT+10)
10:00 10:40	ISABELLE STAUDE (Plenary talk)					0:00 0:40	2:00 2:40	8:00 8:40	9:00 9:40	12:30 13:10	15:00 15:40	17:00 17:40
10:50 11:30	COFFEE BREAK & POSTER SESSION VII					0:50 1:30	2:50 3:30	8:50 9:30	9:50 10:30	13:20 14:00	15:50 16:30	17:50 18:30
	Tbilisi Room	Batumi Room	Kazbegi Room	Borjomi Room	Mestia Room							
11:30 13:20	Nonlinear Nanophotonics II	THz Technologies I	Optomechanics and Optical Manipulation IV	Bound States in the Continuum in Photonics I	Topological states in classical and quantum systems IV	1:30 3:20	3:30 5:20	9:30 11:20	10:30 12:20	14:00 15:50	16:30 18:20	18:30 20:20
13:20 14:20	LUNCH					3:20 4:20	5:20 6:20	11:20 12:20	12:20 13:20	15:50 16:50	18:20 19:20	20:20 21:20
14:20 16:10	Nonlinear Nanophotonics III	THz Technologies II	Free-Electron-Driven Light-Matter Interaction I	Bound States in the Continuum in Photonics II		4:20 6:10	6:20 8:10	12:20 14:10	13:20 15:10	16:50 18:40	19:20 21:10	21:20 23:10
16:20 17:00	COFFEE BREAK & POSTER SESSION VIII					6:20 7:00	8:20 9:00	14:20 15:00	15:20 16:00	18:50 19:30	21:20 22:00	23:20 0:00
17:00 18:50		THz Technologies III	Free-Electron-Driven Light-Matter Interaction II	Bound States in the Continuum in Photonics III		7:00 8:50	9:00 10:50	15:00 16:50	16:00 17:50	19:30 21:20	22:00 23:50	0:00 1:50
18:50 20:00	CLOSING CEREMONY					8:50 10:00	10:50 12:00	16:50 18:00	17:50 19:00	21:20 22:30	23:50 1:00	1:50 3:00

OPENING CEREMONY

MATHIAS FINK

"Wave Control in Complex Media: from Time Reversal to Reconfigurable Metasurfaces"

MARYNA BODNARCHUK

"Colloidal Quantum Dots: from their Discovery to Applications"

COFFEE BREAK

TBILISI ROOM		BATUMI ROOM		KAZBEGI ROOM		BORJOMI ROOM		MESTIA ROOM	
Session: Quantum Metanano I Organizers: A. Akimov, A. Shermemet, I. Iorsh & D. Zuev Session Chair: Prof. Vladimir Yudson		Session: All-dielectric metamaterials and metasurfaces I Organizers: A. Shalin, A. Evlyukhin, I. Staude & A. Miroshnichenko Session Chair: Dr. Alexander Shalin		Session: Graphene and 2D materials I Organizers: V. Volkov Session Chair: Dr. Gleb Tselikov		Session: Advanced Electromagnetic for MRI I Organizers: M. Zubkov, G. Solomakhina & C. Collins Session Chair: Dr. Marc Dubois			
11:30	12:00	11:30	12:00	11:30	11:50	11:30	12:00		
	Arno Rauschenbeutel Correlating photons using the collective nonlinear response of atoms weakly coupled to an optical mode		Alexander Khanikaev Near-Field Characterization of Higher-Order Topological Photonic States at Optical Frequencies		Pablo Alonso Gonzalez Anisotropic nanoptics in van der Waals materials		Christopher Collins Improved Brain Imaging with a Head Array with Integrated High-Permittivity Material		
12:00	12:30	12:00	12:15	11:50	12:10	12:00	12:20		
	Darrick Chang The maximum refractive index of an atomic medium		Egor Gurvitz The development of the toroidal electric dipole source		Konstantinos Papagelis Optical spectroscopy of two-dimensional materials under mechanical deformation		Irena Zivkovic Transceiver coils for UHF human body MRI		
12:30	12:50	12:15	12:35	12:10	12:25	12:20	12:35		
	Silo Nic Chormaic Nanostructured optical nanofibers for quantum optics		Daria Smirnova Multipolar analysis of second-harmonic generation in GaAs nanoparticles grown along different crystallographic directions		Fedor Benimetskiy Measurement of local optomechanical properties of MoSe ₂ monolayers		Andrei Manzhurtsev Functional Magnetic Resonance Spectroscopy of N-acetylaspartate and N-acetylaspartylglutamate at 3 T field		
12:50	13:05	12:35	12:55	12:25	12:40	12:35	12:50		
	Gleb Fedorovich Disorder in one-dimensional array of two-level systems coupled to a waveguiding mode		Thomas Pertsch Hybrid Quantum Sources and Nonlinear Metasurfaces		Georgy Ermolaev Huge anisotropy in transition metal dichalcogenides		Vsevolod Vorobyov Artificial dielectric for 7T MRI		
13:05	13:20	12:40	12:55	12:25	12:40	12:35	12:50		
	Alexandra Shermemet Light-matter interface based on collective and cooperative effects		Andrei Lavrinenko New goals for an all-dielectric platform		Anna Popkova Third harmonic generation in hexagonal boron nitride flakes		Stanislav Glybovski Surface Coils for Ultra-High-Field MRI Based on Traveling Waves: Applications and Benefits		
13:20	13:35	12:55	13:15	12:40	12:55	13:05	13:20		
	Andrei Gaidash Dissipative dynamics of quantum states in the fiber channel		Natalia Kokareva Directional Excitation of Bloch Surface Wave with Silicon Nanoparticle				Ksenia Lezhennikova An Extended Bridge Coil for 7T MRI with a High-Impedance Shield		

LUNCH

TBILISI ROOM		BATUMI ROOM		KAZBEGI ROOM		BORJOMI ROOM		MESTIA ROOM	
Session: Quantum Metanano II Organizers: A. Akimov, A. Shermemet, I. Iorsh & D. Zuev Session Chair: Prof. Fedor Jelezko		Session: All-dielectric metamaterials and metasurfaces II Organizers: A. Shalin, A. Evlyukhin, I. Staude & A. Miroshnichenko Session Chair: Dr. Andrey Miroshnichenko		Session: Graphene and 2D materials II Organizers: V. Volkov Session Chair: Dr. Pablo Alonso Gonzalez		Session: Advanced Electromagnetic for MRI II Organizers: M. Zubkov, G. Solomakhina & C. Collins Session Chair: Dr. Christopher Collins		Session: Advanced nanophotonic sensing and spectroscopy I Organizers: A. Titli Session Chair: Dr. Andreas Titli	
14:20	14:40	14:20	14:50	14:20	14:40	14:20	14:40	14:20	14:50
	Vladimir Yudson Quantum Engineering of Superdark Excited States in Arrays of Atoms		Carsten Rockstuhl Hybrid CD Signals Using All Dielectric Metasurfaces		Su-Hyun Gong Valley-selective exciton-photon coupling in 2D semiconductors		Marc Dubois Radiofrequency shimming with fractal metasurface pads in a 7T birdcage coil		Sang-Hyun Oh Resonant nanophotonic devices for biosensing and spectroscopy
14:40	15:10	14:50	15:05	14:40	14:55	14:40	15:00	14:50	15:10
	Kurt Busch Multiphoton dynamics in tight-binding lattices		Adria Canos Valero Hybrid Anapoles: Near-zero scattering states driven by high order modal interference		Vladislav Kuidin Discrete spectrum analysis using Laplace transform and Volterra equation		Marine Moussu Dielectric resonators for ultra high field MRI probes: theoretical approach and applications		Aleksands Letits Dielectric metasurfaces for biochemical sensing and active wavefront control in the infrared
15:10	15:30	15:05	15:25	14:55	15:10	15:00	15:15	15:10	15:30
	Alexey Akimov Bose-Einstein condensation of Thulium atom		Andrey Sukhorukov Quantum and classical non-conservative photonics with dielectric metasurfaces		Kirill Voronin Probing of mid-infrared molecular fingerprints by nanofocused acoustic graphene plasmons		Vlacheslav Ivanov Coupled ceramic resonators for clinical MRI applications		Maxim Gladush Sensing with single quantum emitters: measuring at nano- and averaging to micro- and macroscales
15:30	15:50	15:25	15:40	15:10	15:25	15:15	15:30	15:10	15:30
	Alexander Poddubny Interaction-induced topological phases of photons in a waveguide with qubits		Ksenia Baryshnikova Born series using for designing of all-dielectric metatenses		Olesya Kapitanova Graphene-based materials as the platform of SERS-sensing		Mikhail Zubkov Cylindrical Resonators in Penile Magnetic Resonance Imaging: Solenoids versus Birdcage		Vladimir Bochenkov Plasmon-enhanced Fluorescence of an Aminated Derivative of a Conformationally Locked GFP Chromophore
15:50	16:05	15:40	15:55	15:25	15:40	15:30	15:45	15:30	15:45
	Francesco Intravaia Quantum fluctuations in nonequilibrium systems		Eric Johnin All-Dielectric Color Imaging Splitters		Anna Lipovka Laser integration of graphene and metal particles into polymer structures for flexible and lightweight electronics		Viktor Puchnin Metamaterial inspired resonator for targeted breast MRI at 1.5 T		Yana Fedotova Resonant metal-dielectric microstructures for Near-Infrared Surface-Enhanced Raman Scattering

COFFEE BREAK & POSTER SESSION I

TBILISI ROOM		BATUMI ROOM		KAZBEGI ROOM		BORJOMI ROOM		MESTIA ROOM	
Session: Quantum Metanano III Organizers: A. Akimov, A. Shermemet, I. Iorsh & D. Zuev Session Chair: Dr. Dmitry Zuev		Session: All-dielectric metamaterials and metasurfaces III Organizers: A. Shalin, A. Evlyukhin, I. Staude & A. Miroshnichenko Session Chair: Dr. Alexander Shalin		Session: Graphene and 2D materials III Organizers: V. Volkov Session Chair: Dr. Davit Ghazaryan		Session: Advanced Electromagnetic for MRI III Organizers: M. Zubkov, G. Solomakhina & C. Collins Session Chair: Dr. Mikhail Zubkov		Session: Advanced nanophotonic sensing and spectroscopy II Organizers: A. Titli Session Chair: Dr. Andreas Titli	
17:00	17:30	17:00	17:20	17:00	17:20	17:00	17:15	17:00	17:30
	Fedor Jelezko Photoelectric readout of diamond spin qubits		Pablo Albella Low-loss Tuneable Chiral Nano-Enhancers: direct application in (Bio-) sensing		Artem Mishchenko New physics of old graphite		Andrei Manzhurtsev Magnetic Resonance Spectroscopy study of the pediatric acute mTBI: gamma-aminobutyric acid and glutamate concentrations		Harald Giessen Topological plasmonics: ultrafast vector microscopy of plasmonic skyrmions
17:30	17:50	17:20	17:35	17:20	17:40	17:15	17:30	17:30	17:50
	Mihail Portnoi Momentum alignment of photoexcited carriers in low-dimensional Dirac materials		Pavel Terekhov Magnetic Octupole Excitation By Nanostructuring Of Dielectric Scatterers		John Parthenios Engineering holes in two dimensional materials		Ekaterina Brui Benefits of a Wireless Metamaterial-Based Radiofrequency Coil for Clinical Wrist MRI		Jose Garcia-Guirado Silicon nano-photonics for biomolecular sensing
17:50	18:10	17:35	17:55	17:40	18:00	17:30	17:45	17:50	18:10
	Mikhail Titov Anisotropy of interactions and universal magnetization dynamics in 2D Rashba magnets		Sergey Makarov Light-emitting resonant all-dielectric functional nanostructures		Sergey Kubatkin Spin-Orbit Interaction in Gold-Intercalated epitaxial graphene on Silicon Carbide		Rustam Balafendiev A Method for E-field Reduction Using a Surface Coil Based on Three Coupled Dipoles		Laura Lechuga Advanced Nanophotonic Biosensor Platforms for COVID-19 fast diagnostics at the Point-of-need
18:10	18:25	17:55	18:10	18:00	18:20	17:45	18:00	18:10	18:30
	Stanislav Kolodny Fano resonances in quantum well absorption induced by electromagnetic dressing		Hadi Shamkhi Enhanced helicity at the transverse Kerker condition		Aran Garcia-Lekue Towards spintronic devices using graphene nanostructures		Christopher Collins Improvement of SNR in MRqFUS with Strategic Design of Bath Medium and Transducer Ground Plane		Pavel Melentiev On-chip controlled coupling of SPP wave to Goos-Hanchen SPP waveguide
18:25	18:40	18:10	18:30	18:20	18:35	18:00	18:15	18:10	18:30
	Dmitrii Lebedev Whispering Gallery Mode Emission of Low Density InP/GainP Quantum Dots		Ivan Fernandez-Corbaton Directional coupling of emitters into waveguides: Symmetry mechanisms and the roles of angular momentum and handedness		Aleksandr S. Petrov Thresholdless excitation of edge plasmons by transverse current				Aleksey Kalmykov Ultra-broadband Plasmonic Metasurface for SERS applications
18:40	18:55	18:30	18:45	18:20	18:35				
	Georgy Astakhov Local vibrational modes of Si vacancy spin qubits in SiC		Charles Roques-Carnes 3D-Printed Topology-Optimized Metaoptics						

SCIENTIFIC SPEED DATING

TBILISI ROOM		BATUMI ROOM		KAZBEGI ROOM		BORJOMI ROOM		MESTIA ROOM	
Session: Quantum Metanano IV Organizers: A. Akinov, A. Sheremet, I. Iorsh & D. Zuev Session Chair: Dr. Alexandra Sheremet		Session: All-dielectric metamaterials and metasurfaces IV Organizers: A. Shalin, A. Evlyukhin, I. Staude & A. Miroshnichenko Session Chair: Dr. Andrey Miroshnichenko		Session: Graphene and 2D materials IV Organizers: V. Volkov Session Chair: Dr. Artem Mishchenko		Session: Magnetic Photonics and Metamaterials I Organizers: S. Nikitov & A. Slavin Session Chair: Dr. Alexandr Sadovnikov		Session: Nanofabrication for optoelectronic applications I Organizers: I. Mukhin, Y. J. Hong & S. Hong Session Chair: Dr. Ivan Mukhin	
10:00	10:20	10:00	10:20	10:00	10:20	10:00	10:30	10:00	10:30
	Lucia Hackemueller— Integrating cold-atom-into-optical-waveguides		Madhu Bhaskaran Utilising strain and mechanical tuning for next generation optical devices		Davit Ghazaryan Van der Waals Heterostructures based on few-layer CrBr3		Andrei Kirilyuk Nonthermal all-optical switching of magnetization: mechanisms and challenges		Maria Tchemycheva Mechanically flexible nanowire light emitting diodes
10:20	10:40	10:20	10:35	10:20	10:35	10:30	10:50		
	Aisling Johnson Observation of collective superstrong coupling of cold atoms to a 30-m long optical resonator		Dmitry Permyakov Measuring full complex dispersion of guided modes and surface waves in planar photonic structures		Mikhail Morozov Switching of terahertz plasmon propagating direction in a dual layer graphene with periodic grating gate		Maciej Krawczyk Selected studies toward exploitation nonreciprocity and spin-wave dynamics in magnonics		Radu Malureanu Fabrication of 20 nm period multilayer metal-dielectric structures and initial patterning tests
10:40	10:55	10:35	10:50	10:35	10:50	10:50	11:05		
	Mikhail Baibakov Enlarging single molecule FRET using zero-mode waveguide nanoapertures		Krzysztof Michal Czajkowski Multipole coupling in random dielectric nanoresonator arrays		Valerii Kozin Excitonic anomalous Hall effect		Andrei Slavin Antiferromagnetic generators of sinusoidal and pulsed THz-frequency signals		Junseok Jeong Remote epitaxy of GaN microrod heterostructures for fabricating flexible light-emitting panel
10:55	11:10	10:50	11:10	10:50	11:05	11:05	11:25		
	Alexander Mintairov Nano-Photoluminescence of Magneto-Electrons and Topological Quantum Gates.		Leonid Doskolovich All-dielectric filters with a Butterworth line-shape composed of several resonant structures		Olga Polischuk Control of the Cherenkov radiation threshold in graphene with charge carrier drift taking into account spatial dispersion		Vladimir Belotelov Advanced plasmonic structures based on Au nanogratings on antiferromagnets		Ivan Mukhin Large area free-standing membrane with embedded GaP/GaAs-based NWs for flexible light emitting devices
11:10	11:25	11:10	11:30	11:05	11:20	11:25	11:40		
	Daniil Komov Chiral coupling of dipole transitions in a V-type atom using a plasmonic dimer		Andreas Tittl Spectrally selective metasurfaces for enhanced sensing and optical phase control		Denis Fateev Terahertz resonances caused by spatial dispersion in hydrodynamic graphene		Nikolai Khokhlov Optically-excited magnetostatic waves triggered by ultrafast thermal anisotropy changes in metallic films		Gleb Tselikov Laser-ablation approaches for synthesis of novel anisotropic nanoparticles based on layered transition metal dichalcogenides for photonic applications
11:25	11:40	11:30	11:45			11:25	11:40		
	Vitaly Yaroshenko Purcell effect control in oligomer based active nanoantenna for the near-IR wavelength range		Mikhail Sidorenko Low-Index Photonic Quasicrystals with Omnidirectional Bandgap						Bogdan Borodin Local Anodic Oxidation as a method of fabrication optoelectronic devices based on thin TMDC layers
11:50	12:00	COFFEE BREAK							

TBILISI ROOM		BATUMI ROOM		KAZBEGI ROOM		BORJOMI ROOM		MESTIA ROOM	
Session: New phenomena and applications for wireless power transfer Organizers: P. Kapitanova & M. Song Session Chairs: Dr. Polina Kapitanova and Dr. Mingzhao Song		Session: All-dielectric metamaterials and metasurfaces V Organizers: A. Shalin, A. Evlyukhin, I. Staude & A. Miroshnichenko Session Chair: Dr. Alexander Shalin				Session: Magnetic Photonics and Metamaterials II Organizers: S. Nikitov & A. Slavin Session Chair: Dr. Alexandr Sadovnikov		Session: Nanofabrication for optoelectronic applications II Organizers: I. Mukhin, Y. J. Hong & S. Hong Session Chair: Dr. Ivan Mukhin	
12:00	12:20	12:00	12:30			12:00	12:20	12:00	12:30
	Sidhi Assaworaratit Efficient and Robust Wireless Power Transfer based on Parity-Time Symmetry		Thomas Kraus High NA silicon metalenses for wide-field imaging				Hyunsoo Yang Magnetization switching by magnon torques through an antiferromagnetic insulator NiO		Albert Nasibulin SWCNT Transparent Conducting Films: Towards the Theoretical Limit
12:20	12:40	12:30	12:50			12:20	12:40	12:30	12:50
	Hong-Chen Wireless Power-Transfer-Based-on-Parity-Time-Symmetric-Model		Maxim Shcherbakov Shaping the spectrum of light with time-variant metasurfaces				Alexandra Kalashnikova Laser-driven magnetization precession and spin waves in magnetic multilayers		Ilya Rodionov Hybrid silicon nitride photonics for quantum computing applications
12:40	13:00	12:50	13:05			12:40	13:00	12:50	13:05
	John Ho Metamaterials for Bioelectronic Therapies and Diagnostics		Vadim Zakomirny Collective lattice resonances in finite and infinite arrays of dielectric nanoparticles				Alexander Chernov Magnetic photonics in 1D and 2D iron garnet nanostructures		Dmitry Mitin Highly Transparent and Conductive Textured Single Walled Carbon Nanotube Electrode for Optoelectronic Applications
13:00	13:15	13:05	13:25			13:00	13:15	13:05	13:20
	Mingzhao Song WPT smart table driven by coherent excitation		Nahid Talebi Structured light in interaction of electron beams with metasurfaces				Alexander Musorin Magneto-Optical Effects Enhancement Stimulated by the Bound State in the Continuum		Stella Kutrovskaia The Field-Oriented Monatomic Carbon Chains
13:15	13:30	13:25	13:40			13:15	13:30	13:20	13:35
	Lei Chen Coherent Perfect Absorption in Complex Scattering Systems		Lina Grineviciute The deposition of multilayer-coatings on corrugated-surfaces-for-2D-photonic-crystal-formation				Leonid Shelukhin Ultrafast change of RKKY interaction in Curie switch structure by laser pulses		Duk-Yong Choi Hydrogenated amorphous silicon for dielectric metasurfaces
13:30	13:45	13:40	13:55			13:30	13:45	13:35	13:50
	Pavel Smirnov Numerical Study of Hybrid Metasurface as WPT Transmitter		Daniel Bobylev Nonlocal Dipole Response of Resonant Particles				Sergey Odintsov Bi-directional control of spin-wave transport in YIG/FeRh structure		Evgeniy Lotkov Silicon electro-optic modulator based on ITO-integrated active element
13:50	14:50	LUNCH							

TBILISI ROOM		BATUMI ROOM		KAZBEGI ROOM		BORJOMI ROOM		MESTIA ROOM	
Session: Industrial Organizers: A. Sayanskiy & A. Slobozhanyuk Session Chair: Dr. Alexey Slobozhanyuk		Session: All-dielectric metamaterials and metasurfaces VI Organizers: A. Shalin, A. Evlyukhin, I. Staude & A. Miroshnichenko Session Chair: Dr. Andrey Evlyukhin				Session: Magnetic Photonics and Metamaterials III Organizers: S. Nikitov & A. Slavin Session Chair: Dr. Nikolai Khokhlov		Session: Nanofabrication for optoelectronic applications III Organizers: I. Mukhin, Y. J. Hong & S. Hong Session Chair: Dr. Ivan Mukhin	
14:50	15:05	14:50	15:10			14:50	15:10	14:50	15:20
	Alexander Sherstobitov Steerable channel assistance in the future generation of wireless system		Fernando Moreno UV-plasmonics with silver-metallic-of-dielectric-nanostructures-A-comparison (rescheduled for Thu)				Alexandr Sadovnikov Magnon straintronics for tunable spin-wave transport with YIG/GaAs and YIG/PZT structures		Yanlin Song Green printing technology for colloidal photonic crystals
15:05	15:25	15:10	15:25			15:10	15:25		
	Tryfon Antonakakis Innovations to improve life		Maxim Gorkunov Millisecond-fast electro-optics of liquid-crystal-metasurfaces				Petr Gerverenkov Features of laser-induced magnetization precession at temporal evolution of magnetic anisotropy parameters in ferromagnetic films		Meng Su Self-assembly of nanomaterials via droplet manipulation for multifunctional optoelectronics devices
15:25	15:45	15:25	15:40			15:25	15:40	15:20	15:40
	Geoffroy Larosey Shaping microwaves with tunable metasurfaces: concept and applications		Marco Gandolfi Semiconductor metasurface refractive index sensing via optical radiation pattern				Vladimir Novikov Dyakonov plasmons in hypercrystals studied by finite-difference frequency-domain method		Filipp Komissarenko Electron Beam Induced Manipulation of Single Nanoparticles on a Non-conductive Substrate
15:45	16:05	15:40	15:55			15:40	15:55	15:40	15:55
	Eldodie Georget-Paris New invisible silicon carbide based dielectric MRI pads for 7T brain imaging		Keetutia Staliunas Local Hilbert transform for non-Hermitian management of light fields				Vasily Trotsenko Raman and optical study of magnetoresistive manganites: isostructural phase separation and polaron formation		Artem Larin Laser annealing process for the tuning of the hybrid-sponge nanostructure photoluminescence
16:05	16:25	15:55	16:10			15:55	16:10	15:55	16:10
	Irina Khromova		Esmael Zanganeh Electromagnetic Anapole States of Nano-disks				Daria Ignatyeva Selective All-optical Magnetization Switching in Multilayered Nanostructures with GdFeCo		Alexey Vlasov Selective Epitaxy of InP/GaN Quantum Dots using SiO2 mask
16:10	16:25	16:10	16:40			16:10	16:25	16:10	16:25
			Willie Padilla Deep Learning Inverse Design for Novel Metasurfaces				Andrey Grachev Tunable spin-wave transport in bilateral magnonic coupler		Alexey Bolshakov Is GaP the new nanotechnology black?
16:25	16:40					16:25	16:40	16:25	16:40
							Andrey Kalish Magneto-Optical Effects in 2D Plasmonic Gratings with Various Types of Ordering		

COFFEE BREAK & POSTER SESSION II										
17:30	18:10	FEDERICO CAPASSO "Structuring Light with Flat Optics"								PLENARY PLENARY
18:10	18:50	NADER ENGHETA "Metacomputing with Metastructures"								
18:50	20:00	NETWORKING ACTIVITIES AND CAREER FAIR								

TBILISI ROOM			BATUMI ROOM			KAZBEGI ROOM			BORJOMI ROOM			MESTIA ROOM		
Session: Strong Light-Matter Interactions in Photonic and Plasmonic Devices Session 1. "Strong coupling in inorganic and 2D semiconductors I" Organizers: N. Stenger & T. Shegai Session Chair: Prof. Timur Shegai			Session: All-dielectric metamaterials and metasurfaces VII Organizers: A. Shalin, A. Evlyukhin, I. Staude & A. Miroshnichenko Session Chair: Dr. Alexander Shalin			Session: Advanced Systems for Applied Nanoscience I Organizers: V. Milichko & M. Zyuzin Session Chair: Dr. Mikhail Zyuzin			Session: RF and Microwave Applications of Complex Electromagnetic Structures I Organizers: R. Abdeddaim, S. Glybovski, S. Tret'yakov Session Chair: Dr. Redha Abdeddaim					
10:00	10:30	Glilad Haran Observing strong coupling in plasmonic cavities at the single emitter limit Keynote	10:00	10:20	Alexey-Basharin Scattering of multipoles in all-dielectric-particles-electric-and-toroidal-separation-in-far-field Invited	10:00	10:30	Ramon Alvarez-Puebla Monitoring of air quality with optical systems Keynote	10:00	10:20	Viktar Asadchy Materionics: Modular analysis of arbitrary meta-atoms Invited			
10:30	10:50	Sang-Hyun Oh Ultrastrong coupling of polar phonons and effective epsilon-near-zero modes in nanocavities Invited	10:20	10:40	Frank Setzpfandt Resonant second-harmonic generation in structured molybdenum disulfide monolayers Invited	10:30	10:45	Ekaterina Kolesova AgInS ₂ /TiO ₂ Core/Shell Nanocomposites with High Efficiency of ROS Generation Oral	10:20	10:40	Ikmo Park Low-Profile Microwave Antennas Incorporated with Metasurfaces Invited			
10:50	11:05	Yaniv Kurman Nonlocal Ultra-Strong Coupling with Graphene Plasmons Oral	10:40	10:55	Avner Shultzman Optimizing Optical Nanostructures for X-ray Detection Oral	10:45	11:00	Vyacheslav Dyschuk Zebrafish as Model System for Cancer Development Oral	10:40	10:55	Sergei Kosulinov Scattering management – volumetric metamaterials or impedance surfaces Oral			
11:05	11:25	Stefano Azzini Chiral light-matter interactions in hybrid 2D semiconductor-surface plasmon heterostructures Invited	10:55	11:10	Irati Jáuregui-López High Sensitivity THz Sensing with Labyrinth Absorber Metasurfaces Oral	11:00	11:20	Thanh Binh Mai Functional Hybrid Nanostructures by Means of Living Radical Polymerizations Invited	10:55	11:15	Nilufer Ozdemir Efficient Analysis of High Impedance Metasurface with an Interstitial-Currents Approach Invited			
			11:10	11:25	Varvara Zubuyk Time-dependent metasurfaces for efficient all-optical switching at different frequencies Oral	11:20	11:50	Maria Farsari 3D metamaterials as scaffolds for cell growth Keynote	11:15	11:35	Francisco Cuesta Coherent Retroreflective Sheets Invited			
12:00	12:40	COFFEE BREAK & POSTER SESSION III												

TBILISI ROOM			BATUMI ROOM			KAZBEGI ROOM			BORJOMI ROOM			MESTIA ROOM		
Session: Strong Light-Matter Interactions in Photonic and Plasmonic Devices Session 2. "Strong coupling in inorganic and 2D semiconductors II" Organizers: N. Stenger & T. Shegai Session Chair: Dr. Antonio Fernandez-Dominguez			Session: All-dielectric metamaterials and metasurfaces VIII Organizers: A. Shalin, A. Evlyukhin, I. Staude & A. Miroshnichenko Session Chair: Dr. Alexander Shalin			Session: Advanced Systems for Applied Nanoscience II Organizers: V. Milichko & M. Zyuzin Session Chair: Dr. Valentin Milichko			Session: RF and Microwave Applications of Complex Electromagnetic Structures II Organizers: R. Abdeddaim, S. Glybovski, S. Tret'yakov Session Chair: Dr. Stanislav Glybovski			Session: Nanosystems for light emission and harvesting I Organizers: General Session Chair: Prof. Sergey Makarov		
12:40	13:10	Vinod Menon Strong light-matter interaction in 2D Semiconductors Keynote	12:40	13:00	Kenneth Crozier Detector-Only Spectrometer Comprising Photodetectors with Tailored Responsivities and a Reconstruction Algorithm Invited	12:40	13:00	Vladimir Fedin Design and Multifunctional Properties of Metal-Organic Frameworks Invited	12:40	13:10	Stefano Maci Graded index lenses: new solutions for old problems Keynote	12:40	13:00	Joerg Schilling Coupling of Ge Quantum Dots with Colloidal Sub-Radiant Modes of Silicon Nanopillar Arrays Invited
13:10	13:30	Ido Kaminer Ultrastrong coupling of electrons and 2D polaritons Invited	13:00	13:30	Nicolas Bonod Unveiling the Time dynamics of Resonant Light Scattering with Quasinormal Modes Keynote	13:00	13:15	Yuri Mezenov Electron Beam Induced Nanoparticle Growth in Metal-Organic Frameworks Oral	13:10	13:30	Do-Hoon Kwon Modulated Reactance Surfaces for Efficient Plane Wave to Surface Wave Conversion Invited	13:00	13:15	Damir Yagudin Enhancement of Quantum Dot Emission in Mie-resonant Oligomers Using Azimuthally Polarized Vector Beams Oral
13:30	13:50	Alberto Curto Excitons in nanophotonic landscapes: fluctuating, diffusing, annihilating Invited	13:30	13:50	Fedor Getman Broadband Vectorial Ultra-Flat Optics With Up To 99% Experimental Efficiency In The Visible Extended Oral	13:15	13:30	Margarita Sharipova Complex integrated platform for compact phase-contrast X-ray microscopy Oral	13:10	13:30	Ariel Epstein Versatile metagratings for efficient manipulation of scattered, waveguided, and radiated fields Invited	13:15	13:30	Maria Kroychuk Raman emission from resonant all-dielectric nanostructures as versatile tool for optical thermometry (replacement) Oral
13:50	14:05	Andrew Yankovich Visualizing Spatial Variations of Plasmon-Exciton Polaritons at the Nanoscale Using Fast Electrons Oral	13:50	14:05	Andrey Evlyukhin Bianisotropy and light trapping in all-dielectric metasurfaces with optical resonances Oral	13:45	14:00	Christian Mark Pelicano Nanostructured ZnO films strategically designed via low-temperature water oxidation for solar cell applications Oral	13:30	13:50	Juan Domingo Baena Doello Broadband Uniaxial Dielectric-Magnetic Metamaterials with Giant Anisotropy Factor: Analytical Model and Numerical Retrieval of Constitutive Parameters Invited	13:45	14:00	Evgenia Stepanidenko Wide-Range Emitting Carbon Dots Synthesized from o-Phenylenediamine by Microwave-Assisted Method Oral
14:05	14:20	Alexander Gritsenko Interaction Effects of Nano-Patch Antenna with External Resonator Oral				14:00	14:15	Nikita Kulachenkov Optical Switching in Metal-Organic Framework Oral	13:50	14:10	Alexander Yakovlev Mantle Cloaking for Decoupling of Interleaved Phased Antenna Arrays in 5G Applications Invited	14:00	14:15	Alexander Berestennikov Nonlocal excitons in resonant perovskite nanoparticles Oral

14:30 15:30 LUNCH

TBILISI ROOM			BATUMI ROOM			KAZBEGI ROOM			BORJOMI ROOM			MESTIA ROOM		
Session: Strong Light-Matter Interactions in Photonic and Plasmonic Devices Session 3. "Theoretical developments in strong-coupling physics" Organizers: N. Stenger & T. Shegai Session Chair: Dr. Nicolas Stenger			Session: Metamaterials and Metasurfaces Organizers: General Session Chair: Prof. Ivan Iorsh			Session: Advanced Systems for Applied Nanoscience III Organizers: V. Milichko & M. Zyuzin Session Chair: Dr. Valentin Milichko			Session: RF and Microwave Applications of Complex Electromagnetic Structures III Organizers: R. Abdeddaim, S. Glybovski, S. Tret'yakov Session Chair: Prof. Juan Domingo Baena Doello			Session: Nanosystems for light emission and harvesting II Organizers: General Session Chair: Dr. Anatoly Pushkarev		
15:30	16:00	Ortwin Hess Active Nanoplasmonics and Quantum Metamaterials: A Route to Room-Temperature Quantum Nanophotonics Keynote	15:30	16:00	Stefan Enoch Metamaterials, from electromagnetic waves to seismic waves. Keynote	15:30	15:50	Vitoriana Tasco Programming chiro-optical effects at optical frequency through helix nanostructures Invited	15:30	15:45	Shukai Ma Spin-resolved devices based on bi-anisotropic metawaveguide photonic topological insulator Oral	15:30	16:00	Maksym Kovalenko Colloidal Lead Halide Perovskite Nanocrystals as Classical and Quantum Light Sources Keynote
16:00	16:20	Christian Wolff Some caveats for strong coupling nanophotonic research Invited	16:00	16:15	Mikhail Lapine Boundary conditions for multilayers in view of spatial dispersion Oral	15:50	16:05	Mikhail Zyuzin Addressable navigation of antitumor drugs using mesenchymal stem cells decorated with submicron carriers Oral	15:45	16:05	Mohammad Sajjad Mirmoosa Theory and Applications of Time Modulation in Electromagnetic Systems Invited	16:00	16:15	Chenhui Wang In situ fabricated perovskite nanocrystals toward efficient light-emitting diodes Oral
16:20	16:40	Denis Baranov Nanoparticle plasmons for chiral and ultrastrong coupling at ambient conditions Invited	16:15	16:30	Michael Lobet Fundamental radiative processes inside near-zero index media of various dimensions Oral	16:05	16:25	Nicolas Pazos Perez Tuning the optical response of plasmonic nanostars Invited	16:05	16:25	Odysseas Tsilipakos Multiresonant metasurfaces for broadband spatiotemporal wave manipulation Invited	16:15	16:30	Pavel Trofimov CSPKG-GAP integrated light source for reconfigurable visible-light nanophotonics Oral
16:40	17:00	Sutapa Ghosh Generation of heralded entangled photon combs at telecom wavelength with Rubidium Rydberg atom cavity QED Oral	16:30	16:45	Vassili Fotodot Observation And Control Of A Tamm Plasmon Confined Under A Metasurface Oral	16:25	16:40	Dmitry Zuev Laser-assisted fabrication of advanced nanophotonic structures Oral	16:25	16:40	Emanuele Galiffi New Routes to Amplification, Synthetic Optical Drag and Near-Field Coupling with Dynamical Metamaterials Oral	16:30	16:45	Daris Markina Towards the miniaturization of high-Q all-inorganic perovskite nanolasers for sensing and nanophotonic applications Oral
17:00	17:20	Tomasz Antosiewicz Plexictons at the nanoscale – toward single-molecule ultrastrong coupling Invited	16:45	17:05	Constantin Simovski A Simple Glass Microsphere May Put the End to the Metamaterial Superlens Story Invited	16:40	16:55	Yali Sun Optical resonant properties of plasmonic helices in visible range Oral	16:40	17:10	Daniel Stevenpiper Chiral and Topological Metasurfaces Keynote	16:45	17:00	Tatiana Lishenko Suppression of photo- and electro-induced phase instability in lead-halide perovskites for the development of light-emitting devices Oral
17:30	18:10	COFFEE BREAK & POSTER SESSION IV												

18:10	18:50	SHANHUI FAN "Topology in momentum and synthetic spaces"											
18:50	20:30	ROUND TABLE ON GENDER DIVERSITY IN SCIENCE											

PÄIVI TÖRMÄ

"Bose-Einstein condensation with sub-picosecond thermalization in strongly coupled plasmonic lattices"

PLENARY

COFFEE BREAK & POSTER SESSION V

TBILISI ROOM		BATUMI ROOM		KAZBEGI ROOM		BORJOMI ROOM		MESTIA ROOM	
<p>Session: RF and Microwave Applications of Complex Electromagnetic Structures IV Organizers: R. Abdessalam, S. Glybovski, S. Tretyakov Session Chair: Dr. Stanislav Glybovski</p>		<p>Session: Nanophotonics theory and simulations Organizers: General Session Chair: Dr. Alexey Scherbakov</p>		<p>Session: Optomechanics and Optical Manipulation I Organizers: P. Zemanek, A. Shalin & M. Marques Session Chair: Dr. Manuel Marques</p>		<p>Session: Plasmonic nanostructures and hot carrier management I Organizers: A. Petrov & M. Petrov Session Chair: Dr. Lucas V. Besteiro</p>		<p>Session: Topological states in classical and quantum systems I Organizers: M. Goriach & D. Leykam Session Chair: Dr. Maxim Goriach</p>	
11:30	11:50	11:30	11:50	11:30	12:00	11:30	12:00	11:30	12:00
	<p>Silvio Hrabar Non-Foster Self-oscillating Radiators for Application in Electromagnetic Metasurfaces Invited</p>		<p>Junsuk Rho Inverse design in nanophotonics using deep-learning Invited</p>		<p>Mikaal Käili Light-induced forces induced by and acting on resonant nanostructures Keynote</p>		<p>Jean-Jacques Greffet Antenna surface plasmon emission by inelastic tunneling Keynote</p>		<p>Zhigang Chen Topological phenomena in photonic flat-band lattices Keynote</p>
11:50	12:05	11:50	12:05	12:00	12:15	12:00	12:20	12:00	12:20
	<p>Roman Borodulin Large Meter Radio Array for cosmological tasks Oral</p>		<p>Perry Chen Lightning-fast nanophotonics simulations: an effortless modal approach Oral</p>		<p>Alexander Shalin Light-Induced Particle Binding Assisted by Metamaterial Substrates Oral</p>		<p>Satoshi Ishii Transition metal nitrides and transition metal carbides for photoelectric and photothermal conversions Invited</p>		<p>Jian-Hua Jiang Higher-order topological metamaterials for photonics and acoustics Invited</p>
12:05	12:25	12:05	12:20	12:15	12:30	12:20	12:40	12:20	12:40
	<p>Andreas Rennings Tackling the efficiency issue of millimeter-wave on-chip antennas of microstrip-type via periodic loading with radiative gaps Invited</p>		<p>Maxim Yurkin Behavior of the Lorenz-Mie Poles in the Complex Space of Sphere Parameters Oral</p>		<p>Abdelatif Gueddida Efficient Coupling between an Optical Waveguide and a High Quality Factor Optomechanical Cavity Oral</p>		<p>Giulia Tagliabue Plasmonic Hot Holes: Fundamentals and Devices Invited</p>		<p>Ronny Thomae Topoelectrical circuits Invited</p>
12:25	12:40	12:25	12:35	12:30	12:45	12:20	12:40	12:20	12:40
	<p>Frazier Benjamin Tuning a Binary Reconfigurable Metasurface to Produce Microwave Coldspots at Arbitrary Frequencies Inside an Electromagnetic Enclosure Oral</p>		<p>Andrey Romanov Theory for Fano Dipole Modes in Planar Structures Oral</p>		<p>Ivan Toftul Acoustic forces and torques: directional scattering and acoustic spin Oral</p>		<p>Guillaume Baffou Discrepancy between photothermal and hot-carrier processes in plasmonics Invited</p>		<p>Nikita Olekhnov Topological corner states in extended two-dimensional Su-Schrieffer-Heeger electronic circuits Oral</p>
12:40	12:55	12:50	13:05	13:00	13:15	13:00	13:15	12:55	13:10
	<p>Sergey Maly Analysis and synthesis of metamaterials on the basis of deep learning technologies and the method of minimal autonomous blocks Oral</p>		<p>Giorgio Stefano Gnecco Uniform and Lipschitz Continuity of Objective Functions in Metamaterial Band Gap Optimization Problems Oral</p>		<p>Natalia Kostina Optical Pulling Force Near One-Dimensional Photonic Crystal Oral</p>		<p>Alexander Yu. Petrov Photomission from nanoporous gold into electrolyte Oral</p>		<p>Matteo Seclì Topological Lasing with Spatially Uniform and Spectrally Wide Gain Oral</p>
13:05	13:20	13:05	13:20	13:15	13:30	13:00	13:15	13:05	13:20
	<p>Francesca Fantoni Frequency Band Structure of Hierarchical Viscoelastic Metamaterials Oral</p>		<p>Stefania Glukhova Implementation of Various Bessel Beams in the Framework of the Discrete Dipole Approximation Oral</p>		<p>Maxim Sirotin Single Cell Elastography Using Optical Tweezers and Optical Coherence Tomography Oral</p>				

LUNCH

TBILISI ROOM		BATUMI ROOM		KAZBEGI ROOM		BORJOMI ROOM		MESTIA ROOM	
<p>Session: Strong Light-Matter Interactions in Photonic and Plasmonic Devices Session 4: "Strong coupling in organic semiconductor" Organizers: N. Stenger & T. Sheng Session Chair: Prof. Tomasz Antosiewicz</p>		<p>Session: Nanophotonics of complex media Organizers: General Session Chair: Dr. Alexander Poddubny</p>		<p>Session: Optomechanics and Optical Manipulation II Organizers: P. Zemanek, A. Shalin & M. Marques Session Chair: Dr. Alexander Shalin</p>		<p>Session: Plasmonic nanostructures and hot carrier management II Organizers: A. Petrov & M. Petrov Session Chair: Dr. Ivan Sinev</p>		<p>Session: Topological states in classical and quantum systems II Organizers: M. Goriach & D. Leykam Session Chair: Dr. Maxim Goriach</p>	
14:20	14:50	14:20	14:50	14:20	14:50	14:20	14:35	14:20	14:40
	<p>Mihail Noginov Control of Physical Phenomena with Nonlocal Metal-Dielectric Environments Keynote</p>		<p>Reni Carminati Parial order: A game changer for photonic materials? Keynote</p>		<p>Javier Aizpurua Atomic-Scale Resolution of Molecular Light Emission in a Picocavity Keynote</p>		<p>Aleksandr Barulin UV Plasmonics with Aluminum Nanoapertures to Enhance the Label-Free Autofluorescence Detection of Single Proteins Oral</p>		<p>Gloria Platano Coello Simulation of chiral topological phases in driven artificial atoms arrays Invited</p>
14:50	15:10	14:50	15:05	14:50	15:05	14:35	14:50	14:40	15:00
	<p>Tal Schwartz Terahertz Strong Coupling in Organic Crystals Invited</p>		<p>Alexander Antonov Corrugated Dielectric Metasurfaces for Anomalous Refraction in Near-Grazing Directions Oral</p>		<p>Adria Canos Valero Spin-locked scattering forces in the near field of high index particles Oral</p>		<p>Tatyana Dolgova Profile-Tailored Transient Magnetoplasmonics of Nickel Nanogratings Oral</p>		<p>Marco Di Liberto Linear and nonlinear Aharonov-Bohm caging Invited</p>
15:10	15:30	15:05	15:25	15:05	15:25	15:05	15:20	15:00	15:20
	<p>Antonio Fernandez-Dominguez Plasmon-Exciton Coupling Beyond the Two-Level-System Approximation Invited</p>		<p>Alexander Petrov Structural color with photonic glass Invited</p>		<p>Georgiy Tkachenko Optomechanics with Single-Mode Optical Nanofibers Invited</p>		<p>Iliia Fradkin Dipole Approximation for Plasmonic Lattices in Layered Structures Oral</p>		<p>Daria Smirnova Edge Solitons in the Nonlinear Dirac Model Invited</p>
15:30	15:50	15:25	15:40	15:25	15:40	15:20	15:35	15:20	15:40
	<p>Tigran Shahbazyan Transition to strong coupling regime for quantum emitters coupled to a plasmonic resonator Invited</p>		<p>Mikhail Rybin Effects of lattice disorder on metamaterials and photonic crystals Oral</p>		<p>Theodoros Boulioumis Metamaterial Tweezers for Enhanced Nanoparticle Trapping Oral</p>		<p>Iliia Petrov Towards the fabrication of implantable biocompatible SERS substrates Oral</p>		<p>Nicolae Panouiu Nonlinear optical interactions of topological modes of plasmonic and photonic crystal structures Invited</p>
15:50	16:05	15:40	16:00	15:40	16:00	15:35	15:50	15:40	16:00
	<p>Dmytro Chubich Plasmonic Nanocantennas Arrays Based on T-shape Dichroic Metasurfaces for Surface-enhanced Infrared Absorption Applications Oral</p>		<p>Diederik Wiersma Structured Photonics Materials: Super Resolution Spectroscopy with a Random Laser Invited</p>		<p>Adrian Godet MicroNewton force sensor with silica nanofiber Invited</p>		<p>Clement Maës Infrared spectral filter based on all-semiconductor guided-mode resonance Oral</p>		<p>Konstantin Bliokh A New Spin for Acoustics Invited</p>
16:00	16:20	16:00	16:20	16:00	16:30	15:50	16:10	16:00	16:15
	<p>Fernando Moreno UV plasmonics with either metallic or dielectric nanostructures. A comparison (moved from Wed) Invited</p>		<p>Nikolai Kiesel Optomechanics with optically levitated nanoobjects Keynote</p>		<p>Nikolai Kiesel Optomechanics with optically levitated nanoobjects Keynote</p>		<p>Harsha Reddy Revealing the energy spectrum of plasmonic hot-carriers via single molecule transport measurements Invited</p>		<p>Roman Savelev Engineering Topological States in Two-Mode Waveguide Arrays Oral</p>

COFFEE BREAK & POSTER SESSION VI

TBILISI ROOM		BATUMI ROOM		KAZBEGI ROOM		BORJOMI ROOM		MESTIA ROOM	
<p>Session: Nonlinear Nanophotonics I Organizers: C. De Angelis & M. Scherbakov Session Chair: Prof. Maxim Scherbakov</p>		<p>Session: Nanophotonics of optical fibers Organizers: General Session Chair: Oleg Yermakov</p>		<p>Session: Optomechanics and Optical Manipulation III Organizers: P. Zemanek, A. Shalin & M. Marques Session Chair: Prof. Pavel Zemanek</p>		<p>Session: Plasmonic nanostructures and hot carrier management III Organizers: A. Petrov & M. Petrov Session Chair: Prof. Giulia Tagliabue</p>		<p>Session: Topological states in classical and quantum systems III Organizers: M. Goriach & D. Leykam Session Chair: Dr. Roman Savelev</p>	
17:00	17:30	17:00	17:20	17:00	17:20	17:00	17:30	17:00	17:30
	<p>Igal Brener Ultrafast Semiconductor Dielectric Metasurfaces Keynote</p>		<p>Xin Guo Chalcogenide glass microfibers for mid-infrared photonic applications Invited</p>		<p>Giorgio Volpe Disorder-mediated optical self-assembly of colloidal structures Invited</p>		<p>Stefan Maier Nanocantennas for light harvesting and ultrafast energy conversion Keynote</p>		<p>Mohammad Hafezi Topological photonics in various platforms Keynote</p>
17:30	17:50	17:20	17:35	17:20	17:40	17:30	17:50	17:30	18:00
	<p>Giuseppe Leo Nonlinear holography in $\chi(2)$ dielectric metasurfaces Invited</p>		<p>Maha Bouhadida Long time optical transmittance stability measurements of silica nanofibers Oral</p>		<p>Birgit Stiller Coherent control of photon-phonon interactions Invited</p>		<p>Lucas Vazquez Besteiro Theoretical Perspective on the Generation of Plasmonic Hot Carriers Invited</p>		<p>Alexander Khanikaev Higher-Order Topological Photonic Metasurfaces: Far- and Near-field Studies Keynote</p>
17:50	18:10	17:35	17:50	17:40	17:55	17:50	18:10	18:00	18:15
	<p>Alexander Soltsev Optical Harmonic Generation in Layered Materials Invited</p>		<p>Sylvie Lebrun Control of Raman threshold for efficient wavelength converters based on nanofibers immersed in liquids Oral</p>		<p>Ivan Sopko Acousto-Optical Interaction at the Reflection of Light from a Layered Structure Oral</p>		<p>Longji Cui Hot-carrier enhanced upconversion light emission from plasmonic tunnel junctions Invited</p>		<p>Maxim Goriach Photonic Topological State in a One-Dimensional Array of Transmon Qubits Oral</p>
18:10	18:25	18:05	18:20	17:55	18:10	18:10	18:25	18:15	18:30
	<p>Almaz Gazizov Enhanced Wave dynamics at the Surface of Nonlinear Raman-active Plasmonic Material Oral</p>		<p>Nikita Toropov SNAP microresonators introduced by wet chemical etching Oral</p>		<p>Denis Kislov Optomechanical manipulation of nanoparticles with a magnetic response in a Gaussian beam Oral</p>		<p>Henrikh Baghrmalyan Laplacian-level kinetic functional for quantum hydrodynamic theory Oral</p>		<p>Bisharat Dia'aldin Local Valley-Hall Effect for Photons Oral</p>
18:25	18:40	18:20	18:35	18:10	18:30	18:25	18:40	18:30	18:45
	<p>Vladimir Fedorov Efficient Second Harmonic Generation in MBE Grown Gallium Phosphide Nanowires Encapsulated into PDMS Membrane Oral</p>		<p>Ivan Toftul Optical binding of nanoparticles near a nanofiber waveguide Oral</p>		<p>Ognjen Ilic Long-range and self-stabilizing optical manipulation with photonic metasurfaces Invited</p>		<p>Ing-Wai Un Thermal effects in plasmon assisted photocatalyst: a parametric study Oral</p>		<p>Bisharat Dia'aldin Amorphous Photonic Topological Insulators Oral</p>
18:40	18:55	18:35	18:50	18:30	18:50	18:40	18:55	18:45	19:00
	<p>Maxim Yavorsky OAM vortices in optical and acoustic waves between optical fibers Oral</p>		<p>Pavel Ginzburg Optical and Optomechanical properties mesoporous nanocapsules for targeted drug delivery applications Invited</p>		<p>Pavel Ginzburg Optical and Optomechanical properties mesoporous nanocapsules for targeted drug delivery applications Invited</p>		<p>Maryam Zahedian Studies of Nanoparticle-Assisted Photoannealing of Polydimethylsiloxane by Time-harmonic Photothermal Microscopy Oral</p>		

NETWORKING ACTIVITIES AND CAREER FAIR

18:50	19:30								
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ISABELLE STAUDE

"Controlling light fields with semiconductor metasurfaces"

10:00 10:40

10:50 11:30

COFFEE BREAK & POSTER SESSION VII

TBILISI ROOM		BATUMI ROOM		KAZBEGI ROOM		BORJOMI ROOM		MESTIA ROOM	
Session: Nonlinear Nanophotonics II Organizers: C. De Angelis & M. Scherbakov Session Chair: Prof. Costantino De Angelis		Session: Terahertz Photonics I Organizers: S. Kuznetsov & M. Beruete Session Chair:		Session: Optomechanics and Optical Manipulation IV Organizers: P. Zemanek, A. Shalin & M. Marques Session Chair: Dr. Alexander Shalin		Session: Bound states in the continuum in photonics I Organizers: Yu. Kivshar, A. Bogdanov & K. Koshelev Session Chair: Prof. Andrey Bogdanov		Session: Topological states in classical and quantum systems IV Organizers: M. Gorlich & D. Leykam Session Chair: Dr. Daniel Leykam	
11:30	11:50 Michele Celebrano Enhancing and manipulating harmonic generation in individual dielectric nanoantennas	11:30	12:00 Vyacheslav Vdovin Development and research of astronomical and telecommunication equipment of the Sub-terahertz frequency range	11:30	12:00 Jack Ng Optical Pulling at Macroscopic Distances	11:30	11:50 Luca Carletti Boosting nonlinear nanophotonics by bound states in the continuum	11:30	12:00 Satoshi Iwamoto Topological waveguides and nanocavities based on semiconductor photonic crystals
11:50	12:05 Ieng-Wai Un Thermo-Optical Nonlinearity of Metallic Nanoparticle(s)					11:50	12:05 Sergey Dyakov Bound states in the continuum enhancement of photoluminescence in structures with Ge nanoslands		
12:05	12:20 Kristina Frizyuk Thermally induced reshaping of second harmonic radiation patterns from resonant semiconductor nanostructures	12:00	12:20 Nazar Nikolaev High-Performance Thin-Film Sensors Based on Terahertz Metasurfaces	12:00	12:20 Pavel Zemanek Underdamped dynamics of more optically levitated objects	12:05	12:25 Dmitrii Maksimov Optical bistability with in-Gamma bound states in the continuum	12:00	12:20 Mario Silveirinha 3D-defined Topologies and Energy Sinks
12:20	12:35 George Zograf High-harmonics generation from resonant silicon metasurfaces supporting BIC	12:20	12:35 Vasily Gerasimov Spiral disks for exciting THz localized surface plasmon resonances and their thin film sensing performance	12:20	12:40 Maria Donato Optical forces for materials and metamaterials	12:25	12:40 Sergey Krasikov Dynamics of the dark mode excitation in nonlinear systems	12:20	12:35 Dmitry Zhirihin Demonstration of Higher-Order Topological States in Photonic Kagome Lattice with Next-Nearest-Neighbour Coupling
12:35	12:50 Danil Ryabov Stimulated Raman emission from a single cylindrical subwavelength nanoparticle	12:35	12:50 Anatoly Kvitsinskiy Terahertz waves polarization tunability in photoexcited uniaxial single-wall carbon nanotubes	12:40	12:55 Vladislav Sharov Polarized Raman study of strained GaP nanowires	12:40	13:00 Radoslaw Kolkowski Trapping light in resonant metasurfaces for plasmon lasing	12:35	12:50 Andrei Stepanenko Two-photon topological states in the array of qubits caused by the effective photon-photon interaction
12:50	13:05 Yonatan Sivan Ultrafast diffusion of heat in metals – theory and measurements	12:50	13:05 Maria Cojocari Planar THz Metamaterial with Pseudo-Anapole response	12:55	13:15 Denis Garoli Novel Plasmonic Nanocavities for Optical Trapping-Assisted Biosensing Applications	13:00	13:15 Kirill Koshelev Second-harmonic generation from tungsten disulfide monolayers boosted by bound states in the continuum		
13:05	13:20 Gulnara Rakhmanova Topological plasmon-polariton on a dimer magnet helical state: the second harmonic generation enhancement	13:05	13:20 Andrey Sayanskiy Floquet analysis of non-uniform self-complementary metasurface						

13:20 14:20

LUNCH

TBILISI ROOM		BATUMI ROOM		KAZBEGI ROOM		BORJOMI ROOM		MESTIA ROOM	
Session: Nonlinear Nanophotonics III Organizers: C. De Angelis & M. Scherbakov Session Chair: Prof. Michele Celebrano		Session: Terahertz Photonics II Organizers: S. Kuznetsov & M. Beruete Session Chair:		Session: Free-electron-driven light-matter interaction I Session chairs: I. Kaminer and C. Roques-Carnes Session Chair: Prof. Ido Kaminer		Session: Bound states in the continuum in photonics II Organizers: Yu. Kivshar, A. Bogdanov & K. Koshelev Session Chair: Kirill Koshelev			
14:20	14:50 Giulio Cerullo Nonlinear optics of two-dimensional materials	14:20	14:50 Ivan Andreev Novel Equipment for Terahertz Imaging and Beyond	14:20	14:50 Mathieu Kociak Strong coupling revealed by free electron spectroscopy: from excitons to phonons	14:20	14:40 Sergei Tikhodeev Resonant states in photonics to control the efficiency and polarization of light emission and high harmonics generation		
14:50	15:10 Maria Timofeeva Mechanically stretchable metamaterials based on III-V nanowires	14:50	15:10 Ibraheem Al-Naib Biomedical Sensing using Terahertz Metasurfaces	14:50	15:10 Nahid Talebi Electron-light interactions beyond adiabatic approximations: on the relevance of selection rules	14:40	15:00 Evgeni Bezus Bound states in the continuum in integrated ridge structures on dielectric slab waveguide and Bloch surface wave platforms		
15:10	15:30 Joel Cox Unconventional nonlinear optical phenomena in graphene nanoplasmonics	15:10	15:30 Ilhus Khasanov Classical ghost imaging in the terahertz range: a case study of surface plasmon resonance microscopy	15:10	15:30 Liang Jie Wong Spatiotemporal Waveshaping of Light and Radiative Processes	15:00	15:15 Nikita Golovastikov Bound states in the continuum in composite structures consisting of two dielectric diffraction gratings with Lorentzian line shape		
15:30	15:45 Pavel Shafirin Numerical Verification of Nonlinear Response beyond the Efficiency-bandwidth Limit in Time-variant Metasurfaces	15:30	15:45 Alexander Mamrashev Broadband Metal-Grid Polarizers on Polymeric Films for Terahertz Applications	15:30	15:50 Ofer Kfir Controlling free electrons with optical whispering-gallery modes	15:15	15:35 Dmitry Bykov Bound states in the continuum in multi-wave Fabry-Pérot interferometers		
15:45	16:00 Kirill Okhlopov Observation and nonlinear optical probing of flat band states in high-Q dielectric metasurfaces	15:45	16:00 Maxim Masyukov Photoinduced terahertz chiral metasurface based on multi-layered graphene	15:50	16:05 Alexander Kichigin Electron Energy Loss Spectroscopy in the Framework of the Discrete Dipole Approximation	15:35	15:50 Samyabrata Mukherjee Suppression of Directional Radiation of Leaky Modes in Anisotropic Structures		
16:00	16:15 Anton Kharitonov Enhanced Nonlinear Photonics with ENZ nanocomposites	16:00	16:15 Alexia Moreno-Peñarrubia Near-Unity Axial Ratio Ultrathin Zigzag Half-Wave Plate based on Bi-layered Metasurface with High Transmission Efficiency in Terahertz Range	16:05	16:20 Aliaksei Horlach The Quantum Nature of High Harmonic Generation	15:50	16:10 Nikolay Gippius High Q-resonances in photonic crystal slabs controlled by structure symmetry		

16:20 17:00

COFFEE BREAK & POSTER SESSION VIII

TBILISI ROOM		BATUMI ROOM		KAZBEGI ROOM		BORJOMI ROOM		MESTIA ROOM	
		Session: Terahertz Photonics III Organizers: S. Kuznetsov & M. Beruete Session Chair:		Session: Free-electron-driven light-matter interaction II Session chairs: I. Kaminer and C. Roques-Carnes Session Chair: Charles Roques-Carnes		Session: Bound states in the continuum in photonics III Organizers: Yu. Kivshar, A. Bogdanov & K. Koshelev Session Chair: Kirill Koshelev			
		17:00	17:30 Martin Koch Water status measurements on plants using THz spectroscopy	17:00	17:30 Peter Baum Attosecond electron microscopy of nanophotonic waveforms	17:00	17:20 Denis Novitsky The exceptional points of non-Hermitian optical systems: Scattering matrix definition, coherent perfect absorption, and lasing		
		17:30	17:50 Miguel Navarro-Cia THz time-domain spectroscopy for condensed matter physics	17:30	17:50 Peter Hommelhoff Photonics-based particle acceleration: toward the accelerator on a chip	17:20	17:35 Alexey Dmitriev Exceptional Point and Parity-Time Symmetry on Dipole Mie Resonances in Dimer		
		17:50	18:05 Anton Zaitsev Bi and Bi 1-x Sb x Thin Films for Terahertz Photonics	17:50	18:10 Sophie Meuret Ultra-fast nano-optic with a high brightness transmission electron microscope	17:35	17:55 Jeng Yi Lee Achieving Broadband invisible Objects by Interferometric Coherent Waves		
		18:05	18:20 Thomas Dumelow Controlled Terahertz Waveguiding Using Antiferromagnets	18:10	18:30 Fabrizio Carbone Patterning the wavefunction of fundamental particles to control matter down to the nucleus	17:55	18:10 Zarina Sadrieva Optical signal filtering and transmission via bound states in the radiation continuum		
		18:20	18:35 Iliia Moiseenko Amplification of THz radiation in graphene with direct electric current			18:10	18:25 Mihail Petrov High-Q non-radiative states in dipole chains		
		18:35	18:50 Polina Shaban Transmission properties of Van der Waals materials for terahertz time-domain spectroscopy applications	18:30	18:50 Kangpeng Wang Free Electron Cavity Quantum Electrodynamics in an Ultrafast Electron Microscope				

18:50 20:00

CLOSING CEREMONY

POSTER SESSION

ID	Monday, September 14th Poster Session I 16.10 - 17.00 (GMT +3)	ID	Tuesday, September 15th Poster Session II 16.40 - 17.30 (GMT +3)
M1.1		T1.1	Dmitry Pidgayko Polarization driven control over scattering of a silicon nanoparticle on one-layered substrate
M1.2	Violetta Sharoglazova Modelling of a quantum random number generator with semiconductor laser using stochastic equations	T1.2	Sofia Ponomareva Anapole electric dipole modes for a dielectric sphere
M1.3	Daniil Svirskiy Nonlinear impairments in fiber optic QKD systems	T1.3	Viacheslav Iushkov All-optical image recognition based on polarisation-insensitive silicon metasurfaces
M1.4	Anton Kozubov Quantum model of decoherence in polarization domain for the fiber channel	T1.4	Nikolay Solodovchenko Quadrupole - driven metamaterials
M1.5	Andrey Kudlis Many-body phenomena in semiconductors and cluster expansion approach	T1.5	
M1.6	Daniel Reiche Long-time Correlations in Atom-Surface Dispersion Forces	T1.6	Alexey Kuznetsov Optical properties of a metasurface based on silicon nanocylinders in a hybrid anapole state
M1.7	Cuong manh Tran Absorber structure at MHz range using small dimension unit cell structure	T1.7	Dayan Pérez Circular Polarization Antennas using Gap Waveguide Technologies at 60 GHz
M1.8		T1.8	Anton Utyushev All-dielectric metasurfaces for narrowband-selective tunable optical filtering
M1.9	Brindhu Malani S Tunable plasmonic resonances in a hexagonally patterned gold substrate with varying morphology for refractive index sensing	T1.9	Valeriy Kondratiev Electrically Tunable Trion-polaritons in MoSe ₂ Heterostructures
M1.10	Natalia Doroshina Cellular SERS structure for highly sensitive analysis of living cells	T1.10	Sergey Zhukov Terahertz Conductivity of Plasma-treated of CNT-based Macroscale Films
M1.11	Elena Chernykh Photoinduced Near-field Heating Simulation in the Gold Nanotip	T1.11	Olga Smirnova The balance of excitation transfer and recombination processes in MoS ₂ nanotubes and flakes
		T1.12	Maxim Elizarov Inverse design of materials with desired distribution of refractive index

ID	Wednesday, September 16th Poster Session III 11.50 - 12.40 (GMT +3)	ID	Wednesday, September 16th Poster Session IV 17.20 - 18.10 (GMT +3)
W1.1	Alexandra Gartman Efficient integration of single-photon emitters embedded in thin InSe film with resonant silicon waveguides	W2.1	Valentyn Solovey UV/Ozone Treatment and Open-Air Copper Plasmonics
W1.2	Ruchi Bhati Active Control of Polarization and Plasmon Induced Transparency in THz Metamaterial	W2.2	Daria Kuznetsova The effect of scaffold architecture on cellular behavior in vitro
W1.3		W2.3	Viktor Iudin Numerical modelling of scattering properties of tunable hybrid nanostructures
W1.4	Ekaterina Maslova Quasicrystal structure in metamaterial regime	W2.4	Valentin Milichko Sonication of 2D Metal-Organic Framework for Atomic Force Microscopy
W1.5	Sergei Kosulnikov Circular Wire Resonator as an Efficient Huygens Element	W2.5	Vyacheslav Dyachuk A new approach for immunostaining nervous systems in isolated organs and whole animals
W1.6	Aleksandr Martyshkin Spin-wave transport in 3D L-shape magnetic micro-waveguides	W2.6	Landysh Fatkhutdinova Synthesis of Calcium Carbonate Particles with Different Geometries
W1.7	Kristina Frizyuk Symmetry analysis and multipole classification of eigenmodes in electromagnetic resonators for engineering their optical properties	W2.7	Oleksii Peltek Cell thermometry as a simple and convenient technique to monitor influence of light-responsive drug delivery systems on cells
W1.8	Ilya Deriy Radiation Outcoupling Efficiency From Hyperbolic Metamaterial Resonators Of Various Shapes	W2.8	Elena Gerasimova Development of effective strategies for radionuclide incorporation into CaCO ₃ particles for in vivo studies
W1.9	Alexander Musorin Magneto-Optical Effects Enhancement Stimulated by the Bound State in the Continuum	W2.9	Nikolay Ryzhkov Light induced pH-gradients at semiconductor surfaces for self-assembly and supramolecular soft matter manipulation
W1.10	Stanislav Cherepanov Flexible Perovskites on CNT as integrated batteries for powering optoelectronics	W2.10	Ekaterina Grachkova Laser-induced periodic surface structures with broadband photoluminescence signal
W1.11	Vitaliy Shkoldin Indirect observation of the light emission in the tunnel junction		

ID	Thursday, September 17th Poster Session V 10.40 - 11.30 (GMT +3)	ID	Thursday, September 17th Poster Session VI 16.10 - 17.00 (GMT +3)
TH1.1	Hadi Shamkhi Effective electromagnetic fields of a particle situated near a substrate	TH2.1	Mikhail Masharin Polymer Modification of Perovskite Solar Cells to Increase Open-Circuit Voltage
TH1.2	Egor Gurvitz Nonlinear control of lateral optical forces excited by high-order multipole resonances in all-dielectric nanoparticles	TH2.2	Grigorii Verkhogliadov Light-emitting solar cell optical properties improving by solvent annealing
TH1.3	Natalia Kostina Long-Range Optical Binding Due To Volumetric Modes Of Hyperbolic Metamaterial Slab	TH2.3	Ivan Sinev Hybrid Silicon-Phase Change Nanoantenna for Surface Plasmon Polariton Routing
TH1.4	Denis Kislov Novel concept for contactless all-optical temperature measurement based on diffusion-inspired phosphorescent decay in nanostructured environment	TH2.4	Daler Dadadzhanov Monitoring of nanoparticles uptake by biological cells via far-field spectroscopy of localized surface plasmon resonance
TH1.5	Abolfazl Mahmoodpoor Numerical modelling of ionically gated small molecule OPV structure	TH2.5	Sergey Dyakov Photoluminescence spectra of SiC waveguide in the presence of two-dimensional plasmonic lattice of gold nanoparticles
TH1.6	Ekaterina Tiguntseva Resonant properties of tunable halide perovskite nanoparticles	TH2.6	Alexey Proskurin Perfect absorption by a single spherical nanoparticle
TH1.7	Pavel Tonkaev Numerical study of Purcell effect enhancement for CsPbBr ₃ perovskite cubic particle	TH2.7	Yury Ryabchikov Facile Manufacturing of Silicon-Based Nanostructures with Tuned Plasmonic Properties
TH1.8	Vasilisa Anikeeva Low-Temperature Structural Change In CH ₃ NH ₃ PbI ₃ Perovskite Single Crystals	TH2.8	Valeriy Gerasimov Electromagnetic modes in arrays of aluminum nanoparticles
TH1.9	Maria Baeva Hybrid Perovskite Materials and III-V Group Materials Integration for Photovoltaic Applications.	TH2.9	Aleksandr Frolov Dark mode enhancing magneto-optical Kerr effect in multilayer magnetoplasmonic crystals
TH1.10	Roumaïssa Derdour High transmission in All-optical Logic gate formed by crystal photonic Y-junction	TH2.10	Sergey Maly Electromagnetic properties of meta-surfaces based on metal perforated screens modified with additional elements
TH1.11	Mariia Krasikova Noise Reduction Using Structures Based On Coupled Helmholtz Resonators		

ID	Friday, September 18th Poster Session VII 10.40 - 11.30 (GMT +3)	ID	Friday, September 18th Poster Session VIII 16.10 - 17.00 (GMT +3)
F1.1	Olga Sergaeva Modeling of second harmonic generation in GaP nanowires	F2.1	Grigoriy Bubnov Observations of astroclimate with the broad band radiometer using the atmospheric dip method
F1.2	Kirill Boldyrev New IR color centers of silicon carbide for the quantum sensors	F2.2	Grigory Knyazev Acousto-Optical Interaction at the Reflection of Light from a Layered Structure
F1.3	Anna Nikolaeva Directional photon pairs generation by dielectric nanoparticles	F2.3	Artem Sinelnik Optical Properties of Icosahedral Quasicrystals
F1.4	Vadim Razukov Spatio-Temporal Dynamics Modeling of Two-Wave Ring Fibre Nonlinear Microcavity	F2.4	Elizaveta Zipunova Micromagnetic Modeling with Account for the Correlations Between Closest Neighbors
F1.5	Shahab Ramezanzpour Tuning 2nd and 3rd Order Exceptional Points with Kerr Nonlinearity	F2.5	Sergey Novikov Ion-Beam Modification of Silver Film for Sensing Applications
F1.6	Daria Dolinina Spontaneous Symmetry Breaking and Control of the Radiation from Microlaser Arrays	F2.6	Anton Popov Synthesis of TiN NPs by laser ablation in liquids for photothermal cancer treatment
F1.7	Odysseas Tsilipakos Multi-channel Nonlinear Interactions in Practical Graphene Components	F2.7	Anton Samusev Propagation of exciton-polaritons in monolayer semiconductor coupled to at- Γ bound state in the continuum
F1.8	Ildar Yusupov Compact ceramic resonators for RFID applications	F2.8	Aleksandra Kutuzova Supercavity modes in silicon-based metasurfaces
F1.9	Alexander Berestennikov Topological nanostructures with halide perovskites	F2.9	Manendra Impact of Hot-Electron on Efficient Radially Polarized Terahertz (THz) Radiations Generation
F1.10	Sergei Anoshkin Evaluating The Performance Of a Single-Layer Blue Light-Emitting Electrochemical Cell Based on a Perovskite-Polymer Composite	F2.10	Ruslan Khafizov Exciting THz localized surface plasmon resonances on azimuthally corrugated disks for sensing applications
F1.11	Daria Khmelevskaia Silicon Nanoparticles Enhanced Nonlinear Photoluminescence from Perovskite Quantum Dots	F2.11	Manoel Leonardo Nonlinear optical absorption and harmonic generation in silver nanowires array