

## Tuesday, 13 December

1	<b>Alexander Solomonov</b> <i>ITMO</i>	2.5D switchable metasurface
2	<b>Dmitrii Borovkov</b> <i>MIPT</i>	Broadband toroidal source
3	<b>Darina Darmoroz</b> <i>ITMO</i>	Method of Optical Molecular Generation of Localized Chiral Structures in Photoactive Liquid-Crystalline Thin Films
4	<b>Ekaterina Zharkova</b> <i>Skoltech</i>	Composition dependent photoresponse in $WxMo(1-x)S_2$ alloys
5	<b>Vladimir Ivanov</b> <i>ITMO</i>	Perovskite Solar Cells: different approaches to improve the efficiency.
6	<b>Alexander Shabanov</b> <i>MIPT</i>	Optimal asymmetry in transistor based THz detectors
7	<b>Sergei Anoshkin</b> <i>ITMO</i>	Stable blue perovskite LEDs for next-generation displays
8	<b>Olga Griaznova</b> <i>Skoltech</i>	Fast transformable metal-organic frameworks for drug delivery
9	<b>Dmitry Tatarinov</b> <i>ITMO</i>	Fabrication of perovskite $CsPbBr_3$ films with high optical gain
10	<b>Muneeb Farooq</b> <i>Skoltech</i>	Hybrid Silicon Laser: Optimal on chip integration
11	<b>Aleksandra Furasova</b> <i>ITMO</i>	Photonics for perovskite solar cells
12	<b>Vishalkumar Gohel</b> <i>Skoltech</i>	Evaluation of the reproducibility of the characteristics of multi-sensor chips in the analysis of the smell of food-grade plastic
13	<b>Adilet Toksumakov</b> <i>MIPT</i>	High-refractive index and mechanically cleavable non-van der Waals $InGaS_3$
14	<b>Fahmy Yousry</b> <i>Skoltech</i>	Development of broadband transitions for terahertz waveguides of various configurations
15	<b>Natalia Khoteeva</b> <i>MIPT, Skoltech</i>	Atomic Force Microscopy Visualization and Assessment of Graphene on Non-Conductive Substrates
16	<b>Aleksandr Averchenko</b> <i>Skoltech</i>	Laser synthesis of $MoS_2/SWCNT$ composites
17	<b>Aleksandr Slavich</b> <i>MIPT</i>	In-plane anisotropic optical properties of $As_2S_3$
18	<b>Mikhail Mishevsky</b> <i>Skoltech</i>	All-fiber mode-locked laser at 920 nm wavelength
19	<b>Dmitriy Grudinin</b> <i>MIPT</i>	Increasing the Coupling Length in Optical Waveguides Made of Anisotropic Materials
20	<b>Anton Utyushev</b> <i>ITMO</i>	Enhancement Magnetic Dipole Emission in the Presence of a Spherical Particle
21	<b>Alexander Melentev</b> <i>MIPT</i>	Endohedral fullerenes as a material for quantum computing
22	<b>Mikhail Khavronin</b> <i>MIPT</i>	Goos-Hänchen shift for zero reflection

## Wednesday, 14 December

<b>1</b>	<b>Nikita Yukhtanov</b> <i>ITMO</i>	Free-garnet silicon waveguides for propagation of electromagnetic waves with high transversal angular momentum
<b>2</b>	<b>Maksim Paukov</b> <i>MIPT</i>	Fundamental and practical properties of stretchable carbon nanotubes under ultrafast pump-probe spectroscopy
<b>3</b>	<b>Omar Abbas</b> <i>Skoltech</i>	Direct Laser Synthesis of Tin Sulfides
<b>4</b>	<b>Alexey Kuznetsov</b> <i>MIPT</i>	Special scattering regimes for conical all-dielectric nanoparticles
<b>5</b>	<b>Igor Smirnov</b> <i>Skoltech</i>	Out-of-Cavity Coupling of Polariton Condensates
<b>6</b>	<b>Amir Eghbali</b> <i>MIPT</i>	Optical Anisotropy and Excitons in MoS <sub>2</sub> Interfaces for Sensitive Surface Plasmon Resonance Biosensors
<b>7</b>	<b>Georgy Ermolaev</b> <i>MIPT</i>	Topological phase singularities in atomically thin materials
<b>8</b>	<b>Alexandr Marunchenko</b> <i>ITMO</i>	Is Light-Emitting Photodetector possible in Optoelectronics?
<b>9</b>	<b>Zoharan Ali</b> <i>Skoltech</i>	Coupling of light into PIC's and Optical frequency microcomb generation
<b>10</b>	<b>Andrey Bochin</b> <i>ITMO</i>	Nonequilibrium Polariton Condensation in Biannular Optically Induced Traps
<b>11</b>	<b>Ilya Fedorov</b> <i>MIPT</i>	Exciton Nature of Plasma Phase Transition in Warm Dense Fluid Hydrogen: ROKS Simulation
<b>12</b>	<b>Ilya Begichev</b> <i>MIPT, Skoltech</i>	Modeling of the optical properties of the twisted Van der Waals heterostructures using continuum model approximation
<b>13</b>	<b>Viktor Vorobev</b> <i>Skoltech</i>	Hyperspectral analysis of infantile hemangiomas and other skin diseases
<b>14</b>	<b>Svetlana Kadinskaya</b> <i>MIPT</i>	Study of Hydrothermal Zinc Oxide Nanostructures Photovoltaic Properties
<b>15</b>	<b>Maxim Mazanov</b> <i>ITMO</i>	Multipole higher-order topology in a multimode lattice
<b>16</b>	<b>Olga Matveeva</b> <i>MIPT</i>	Twist-tunable polaritonic nanoresonators in a van der Waals crystal
<b>17</b>	<b>Krupamaya Panda</b> <i>Skoltech</i>	Combination of Microfluidic Channels with Photonic Integrated Circuits
<b>18</b>	<b>Andrei Stepanenko</b> <i>ITMO</i>	Quantum circuits with two-photon topological phase induced by interactions
<b>19</b>	<b>Anastasiia Piven</b> <i>ITMO</i>	Statistical analysis of the dynamic localized structures formation in a light-responsive chiral nematic liquid crystal
<b>20</b>	<b>Natalia Salakhova</b> <i>Skoltech</i>	Optical properties of photonic moiré lattices.
<b>21</b>	<b>Ruslan Azizov</b> <i>ITMO</i>	Resonant periodic Light-Emitting structures on thin films of CdSe-based core/shell nanoplatelets
<b>22</b>	<b>Artem Shalev</b> <i>ITMO</i>	Multipolar lattices
<b>23</b>	<b>Arina Kalganova</b> <i>Skoltech</i>	Nano laser-printing of two-dimensional transition metal dichalcogenides (2D-TMDs)