

**Mr. Dmitrii Nechaev**, *Ioffe Institute, St. Petersburg*

Site-controlled GaN nanocolumns with InGaN insertions grown by MBE

**Ms. Anastasiia Babkina**, *ITMO University, St. Petersburg*

Excitonic luminescence of CuCl nanocrystals in borate glasses under UV irradiation

**Ms. Olga Petrova**, *Komi Science Center RAS, Syktyvkar*

NEXAFS studies of Ice Fish Hard Tissues and hydroxyapatite

**Mr. Dmitry Goloshchapov**, *Voronezh State University, Voronezh*

The importance of the biomimetic composites components for recreating the optical properties and molecular composition of intact dental tissues.

**Ms. Anna Svirina**, *Saint Petersburg Academic University, St. Petersburg*

Cell-penetrating peptide induces aggregation of charged liposomes

**Ms. Margarita Tumanova**, *Concern CSRI "Elektropribor" JSC SRC RF, St. Petersburg*

Laser marking of contrast images for optical read-out systems

**Mr. Ivan Morozov**, *St Petersburg Academic University, St. Petersburg*

Influence of dry etching condition to geometry of vertically aligned silicon nanostructures.

**Dr. Alexey Payusov**, *Ioffe Institute, St. Petersburg*

Lateral mode control in edge-emitting lasers with modified mirrors

**Mr. Dmitrii Vavulin**, *ITMO University, St. Petersburg*

Generation of orbital-angular-momentum entangled biphotons in twisted nonlinear waveguides

**Mr. Roman Krivenkov**, *Institute of Mechanics UB RAS, Izhevsk*

Temperature dependence of optical limiting in carbon nanotubes suspension

**Dr. Dmitrii Firsov**, *Saint-Petersburg Electrotechnical university, St. Petersburg*

FTIR photoreflectance of narrow-gap heterostructures based on  $\text{Al}_x\text{In}_{1-x}\text{Sb}$  alloys

**Mr. Vadim Kovalyuk**, *Moscow State Pedagogical University, Moscow*

Waveguide integrated superconducting single-photon detector for on-chip quantum and spectral photonic application

**Mr. Kirill Belyaev**, *Ioffe Institute, St. Petersburg*

Single photon emission from charged excitons in CdTe/ZnTe quantum dots

**Dr. Dmitry Savelyev**, *Samara National Research University, Samara*

Investigation of vortex laser beam injection into an optical fiber

**Mr. Konstantin Mashinskiy**, *Saratov State University, Saratov*

High-responsivity graphene plasmonic terahertz detector

**Mr. Bogdan Sokolenko**, *V.I. Vernadsky Crimean Federal University, Simferopol*

Phase shifting profilometry with optical vortices

**Dr. Fatima Matroodi**, *Shahid Chamran University, Ahwaz*

Giant Magnetoresistance in NiO/Co/Cu/Co/Ti spin valve fabricated by EBPVD

**Ms. Anastasiia Molchanova**, *Institute of Spectroscopy RAS, Moscow*

The electronic structure of magnetic d-ions in manganese doped copper metaborate  $\text{Cu}_{1-x}\text{Mn}_x\text{B}_2\text{O}_4$

**Mr. Pavel Shlepakov**, *Yaroslavl Branch of the Institute of Physics and Technology RAS, Yaroslavl*

Fast electrochemical membrane actuator: Design, fabrication and preliminary testing

**Mr. Pavel Golubkov**, *Penza State University, Penza*

Automated installation for the controlled synthesis of MAO-coatings