

# Saint Petersburg OPEN 2026

26-29  
May  
2026



## Venue:

НИУ ВШЭ – Санкт-Петербург (Канатный цех, станция метро «Горный институт») St. Petersburg, Vasilievsky Ostrov, 25-th Liniya, Building 6, Block 1

HSE University – St. Petersburg (“Gornyy Institut” metro station)

## Conference program (preliminary)

### 26 May 2026 (Tuesday)

All day **Arrival, free time**

### 27 May 2026 (Wednesday)

09:00 - 10:00 **Registration of participants (on site)**

10:00 - 10:10 **Opening remarks Alexey Zhukov** (HSE – St. Petersburg)

10:10 - 10:40 **Multilevel tuning of single-walled carbon nanotubes for their applications in optoelectronics Albert Nasibulin** (Skoltech)

10:40 - 11:10 **Photovoltaic laser power converters Maxim Shvarts** (Ioffe Institute)

11:10 - 11:40 **Anisotropic semiconductor nanocrystals and their light-emitting devices Fangze Liu** (Beijing Institute of Technology, P.R. China)

11:40 - 12:00 **Coffee**

12:00 - 12:30 **Perovskite polariton laser diode Anatoly Pushkarev** (Skoltech)

12:30 - 13:00 **III-N heterostructure-based optical microlasers: Epitaxy, fabrication and studies Natalia Kryzhanovskaya** (HSE – St. Petersburg)

13:00 - 13:30 **Elevator session I** (Young scientists present the main idea of their posters in a 1-minute presentation using 1-2 slides)

13:30 - 15:00 **Lunch**

**Optional:** 14:00 - 15:00 **Round table “WGM microlasers for the ultraviolet and visible spectral ranges on silicon and sapphire substrates”** based on the materials of a joint study within the framework of the HSE Academic Cooperation project of the International Laboratory of Quantum Optoelectronics of the HSE St. Petersburg and the research team of the Wide-Gap Nano- and Microelectronics Center of the B.I. Stepanov Institute of Physics of the National Academy of Sciences of Belarus.

15:00 - 16:30 **Poster session I**

1. Semiconductor lasers, solar cells, and other optoelectronic devices
3. Synthesis and structural properties of semiconductor materials and nanostructures
6. Other aspects of nanotechnologies

16:30 - 17:00 **Coffee**

17:00 - 18:00 **Poster session I** (continued)

## 28 May 2026 (Thursday)

09:00 - 10:00 **Registration of participants (on site)**

10:00 - 10:30 **Photonic integrated circuits: status and prospects Alexey Ustinov** (ETU "LETI")

10:30 - 11:00 **Superconducting single-photon detector is a key element of quantum photonic integrated circuits Grigory Goltsman** (MPGU / HSE University)

11:00 - 11:30 **Terahertz radiation: physics and possible applications Dmitry Khokhlov** (MSU / Lebedev institute)

11:30 - 12:00 **Coffee**

12:00 - 12:30 **Coherent fiber-optic systems: from global telecommunications to medical diagnostics Nikolay Ushakov** (Peter the Great University)

12:30 - 13:00 **Semiconductor nanowires in photonics Alexey Bolshakov** (MPhTI)

13:00 - 13:30 **Elevator session II** (Young scientists present the main idea of their posters in a 1-minute presentation using 1-2 slides)

13:30 - 15:00 **Lunch**

15:00 - 16.30 **Poster session II**

2. Electrical, magnetic, and microwave devices and properties of semiconductor materials and structures

4. Nanophotonics, spectroscopy, microresonators, optical properties, plasmonics

5. Biomedical applications of semiconductor materials and devices, biophysics, nanobiotechnology, biophotonics

16:30 - 17:00 **Coffee**

17:00 - 18:00 **Poster session II** (continued)

18:00 - 18:30 **Closing remarks and awarding ceremony Alexey Zhukov** (HSE – St. Petersburg)

## 29 May 2026 (Friday)

All day **Departure, free time**

**Optional: Guided tour of the International Laboratory of Quantum Optoelectronics (12.00-14.00)**