



4th International School and Conference
on *Optoelectronics, Photonics, Engineering and Nanostructures*

«**Saint Petersburg OPEN 2017**»

Saint Petersburg, April 3-6, 2017



Dear Colleagues,

We kindly invite all the undergraduate, graduate and PhD students to attend **4th International School and Conference «Saint-Petersburg OPEN 2017» on Optoelectronics, Photonics, Engineering and Nanostructures** which is chaired by **Nobel Prize Laureate in Physics (2000) academician Zhores I. Alferov.**

The School and Conference will be held on **April 3 – April 6, 2017** at St. Petersburg Academic University.

The School and Conference includes a series of invited talks from the leading scientists with the aim to introduce young scientists with actual problems and major advances in modern physics and technology. In the afternoon, poster session will be held in which undergraduate and graduate students will present their work.

All accepted proceedings will be published in Conference Theses Book **free of charge**. Extended version of the thesis can be published in ***IOP Journal of Physics: Conference Series***, which is cited in *Web of Knowledge, Scopus, eLIBRARY* and other scientific databases.

The conference carries on the tradition of annual conferences at St Petersburg Academic University will be sponsored this year by ***St Petersburg Academic University, Peter the Great St. Petersburg Polytechnic University, Russian Foundation for Basic Research, Russian Science Foundation, The Optical Society (OSA) and the International Society for Optics and Photonics (SPIE).***



Opening speech

Zhores I. Alferov (Nobel Prize Winner in Physics, *St Petersburg Academic University, Russia*)

Keynote speakers:

- **Plasmonics***

Alexey Toropov (*Ioffe Physical Technical Institute RAS, Russia*)

- **Semiconductor light sources for near- and mid-infrared spectral range**

Leonid Karachinsky (*Connector Optics LLC, Russia*)

- **Dielectric films***

Sergei Alexandrov (*Peter the Great St Petersburg Polytechnic University, Russia*)

- **THz lasers based on semiconductor nanostructures**

Sergey Morozov (*Institute for Physics of Microstructures RAS, Russia*)

- **Frequency combs/modelocked lasers and optically pumped semiconductor lasers**

Ursula Keller (*Swiss Federal Institute of Technology Zurich, Switzerland*)

- **High-power diode lasers: Fabrication and application**

Alexander Marmaluk (*JSC M. F. Stelmakh Research Institute "Polyus", Russia*)

- **Quantum devices and single photon**

Nika Akopian (*Technical University of Denmark, Denmark*)

- **Micro- and nanofluidic systems in devices for biological, medical and ecological diagnostics**

Anatoly Evstrapov (*Institute for Analytical Instrumentation RAS, Russia*)

- **Integrated nanophotonics**

Seppo Honkanen (*University of Eastern Finland, Finland*)

* Tentative title

Conference Themes

- Crystal growth and structural properties of semiconductor materials and nanostructures
- Lasers, solar cells and other optoelectronic devices
- Nanophotonics, spectroscopy, microcavities, optical properties, plasmonics
- Biophysics, nanobiotechnologies, biophotonics
- Electric, magnetic and microwave devices and features
- Other aspects of nanotechnology

Important Dates

December 27, 2016 – Abstract submission is opened

February 19, 2017 – Due date for abstract submission

March 12, 2017 – Notification of acceptance

March 20, 2017 – Final conference program announcement

April 4-5, 2017 – Plenary and poster sessions

August 15, 2017 – Abstract publication in IOP JPCS



*The Head of Program Committee,
rector of Academic University,
academic Zhores I. Alferov*

Submission and publication of proceedings

All proceedings should be submitted in English (1 – 2 pages) and be in accord with the template which can be downloaded on the conference website. Submission of abstracts on the conference website <http://spbopen.spbau.com/>

All accepted proceedings will be published in Conference Theses Book free of charge. CDs with Conference Theses Book will be provided to all registered participants as a part of welcome package for free.

Extended version of the theses can be published in IOP Journal of Physics: Conference Series that is cited in Web of Science, Scopus, eLIBRARY and other scientific databases. After the poster sessions, a **limited number** of the best papers will be selected by the Program Committee and will be **published for free**. For all other attendees publication fee in IOP Journal of Physics: Conference Series is **35 GBP**.

Registration and accommodation

Participation is free of charge and no registration fee is charged.

Registration to the conference will be opened **since December 27, 2016.**

On-site registration will take place in the days of the school conference directly at the Academic University.

Accommodation is available at a discounted price in the guest house of the Academic University (limited capacity, advanced booking is required).

Contact Details

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