



**3<sup>rd</sup> International School and Conference  
“Saint Petersburg OPEN 2016”:  
Optoelectronics, Photonics, Engineering and Nanostructures  
Saint Petersburg, March 28 – 30, 2016**



**Dear Colleagues,**

We kindly invite all the undergraduate, graduate and PhD students to attend **3<sup>rd</sup> International School and Conference “Saint-Petersburg OPEN 2016” 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 **March 28 – March 30, 2016** 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*, *The Optical Society* (OSA) and by 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:

- **Single photon sources based on semiconductor nanowires**

**Georgy E. Cirlin** (*St Petersburg Academic University, Russia*)

- **High-efficient thin-film solar cells**

**Evgeny I. Terukov** (*Ioffe Institute, Russia*)

- **High-speed vertical cavity surface emitting lasers**

**Victor M. Ustinov** (*Ioffe Institute, Russia*)

- **Advances in ultrafast laser nanostructuring of transparent materials**

**Peter G. Kazansky** (*University of Southampton, UK*)

- **Probe methods of studying surfaces**

**Alexander O. Golubok** (*ITMO University, Russia*)

- **Self-arranged plasmonic nanoparticles via diffusion in glasses**

**Andrey A. Lipovskii** (*Peter the Great St.Petersburg Polytechnic University, Russia*)

- **Light and life: Use of optical methods for biological object investigation with semiconductor nano- and microstructures**

**Mikhail V. Dubina** (*St Petersburg Academic University, Russia*)

- **Lasers with asymmetric barrier layers: A promising type of injection lasers**

**Levon V. Asryan** (*Virginia Polytechnic Institute and State University, USA*)

- **Advances in epitaxial growth of nanostructures for applications in optoelectronics**

**Mircea Guina** (*Tampere University of Technology, Finland*)

## Conference Subjects

- **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 14, 2015 – Abstract submission is opened

**February 21, 2016 – Due date for abstract submission**

March 1, 2015 – Notification of acceptance

March 21, 2016 – Final conference program announcement

**March 29-30, 2016 – Plenary and poster sessions**

August 15, 2016 – 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 provided to all registered participants as a part of welcome package also 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 14, 2015.**

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 hotel Academic University (advanced booking).

## **Contact Details**

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