



Annual Report 2015/2016

Saint-Petersburg Academic University SPIE Student Chapter has been established from the initiative of group of students gathered by its main contributor – Vladimir Korenev, who became the first president of the Chapter. The chapter was established on 25 June 2013. The members of the Chapter are mostly graduate students with electrical/optical/bio engineering background.

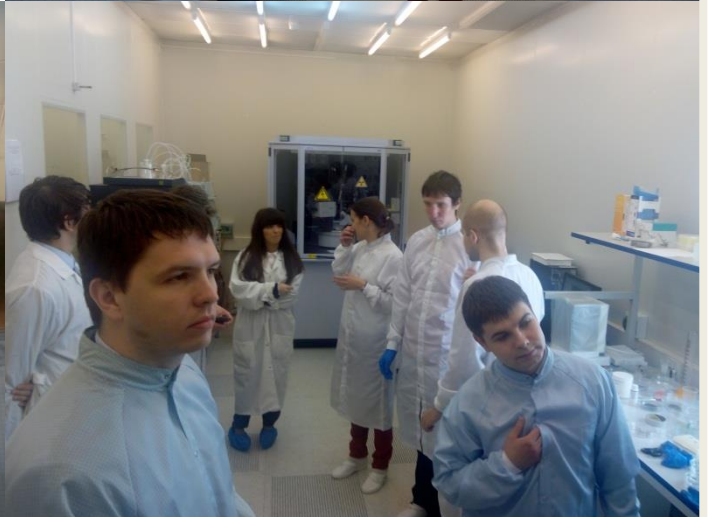
1. Elected Officers

First/Last Name	Email	Position	SPIE ID
Eduard Moiseev	moiseev@spbau.com	President	3602447
Yulia Polubavkina	polubavkina@mail.ru	Vice-President	3756087
Ksenia Shubina	rein.raus.2010@gmail.com	Secretary	3756085
Igor Reduto	reduto-igor@mail.ru	Treasurer	3608352

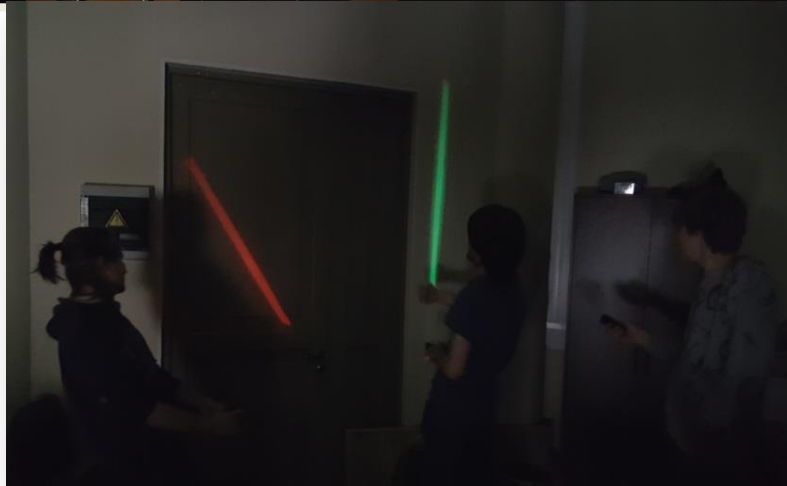
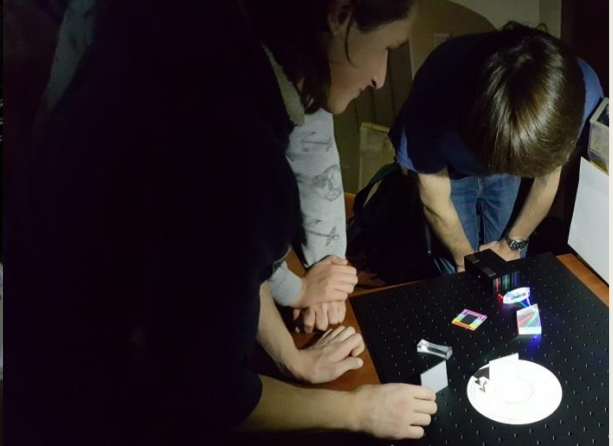
2. List of current Student Chapter Members

First/Last Name	Status
Ekaterina Babich	member
Mikhail Balezin	member
Aleksandr Kamenskii	member
Aleksei Korotchenkov	member
Kirill Koshelev	member
Yulia Kudashova	member
Sergey Kurin	member
Eduard Moiseev	member
Alexey Mozharov	member
Yuliya Polubavkina	member
Igor Reduto	member
Ksenia Shubina	member
Andrey Sokolovskiy	member

December 11, 2015
Tour of the labs for students

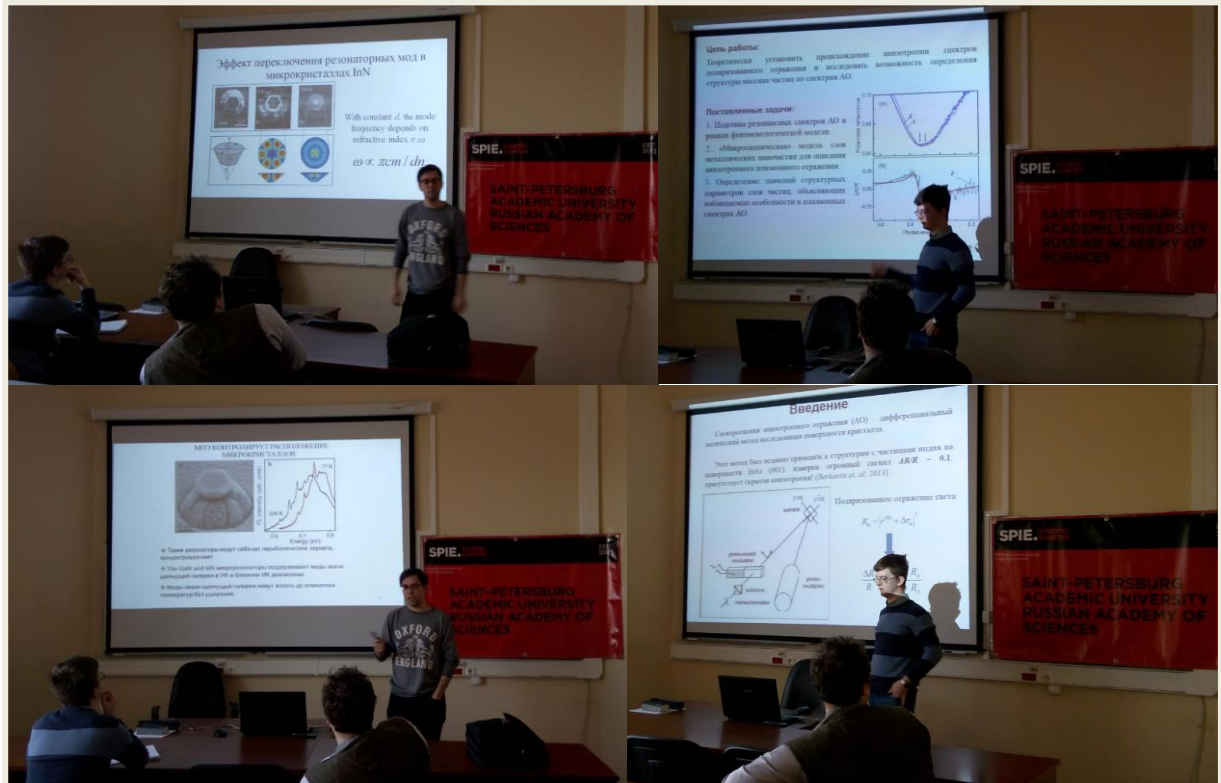


Laboratory work with schoolchildren

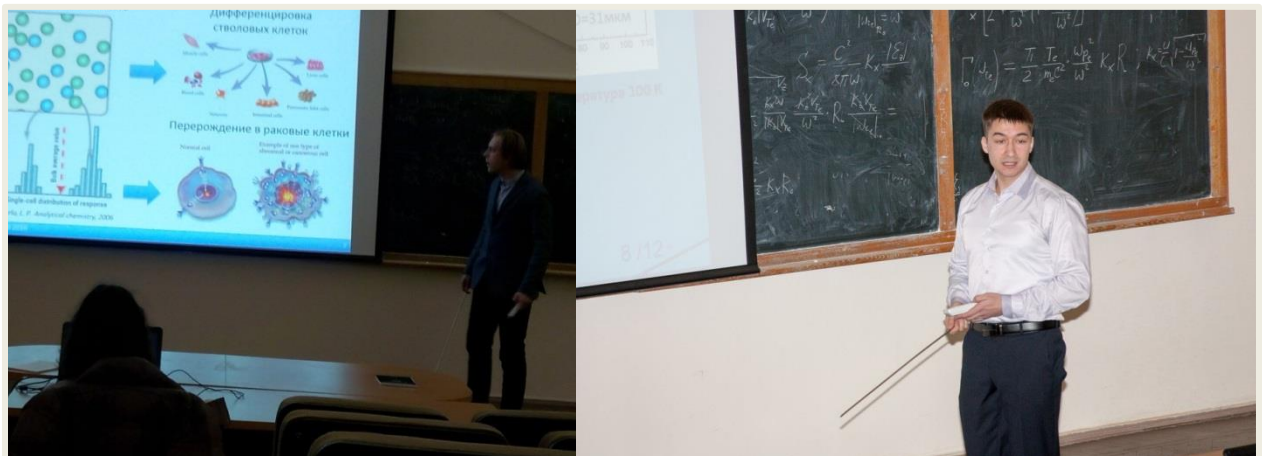


Monthly seminars of all members of the Chapter

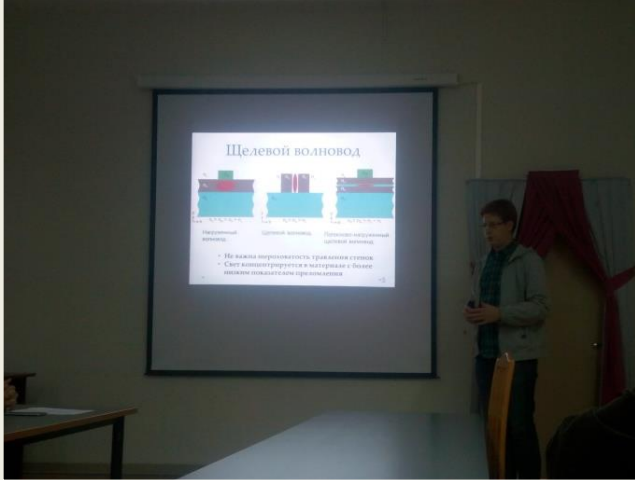
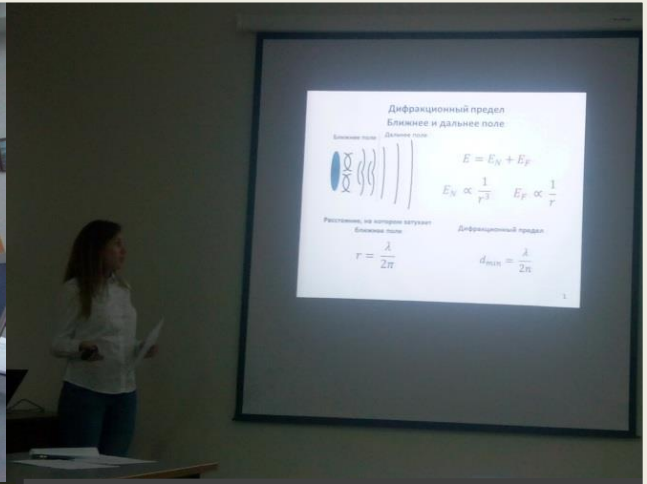
January



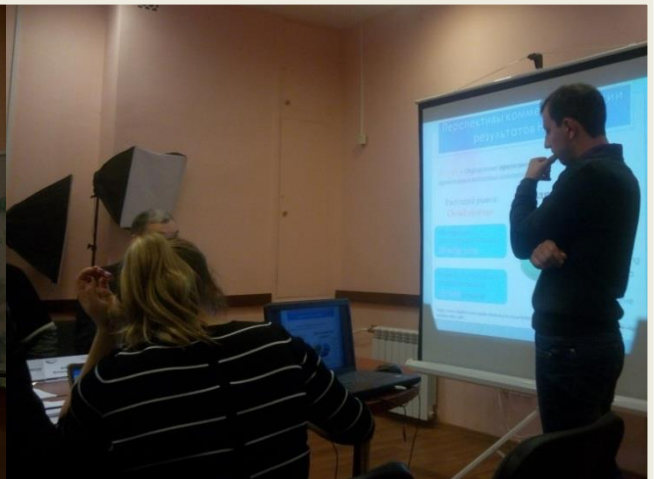
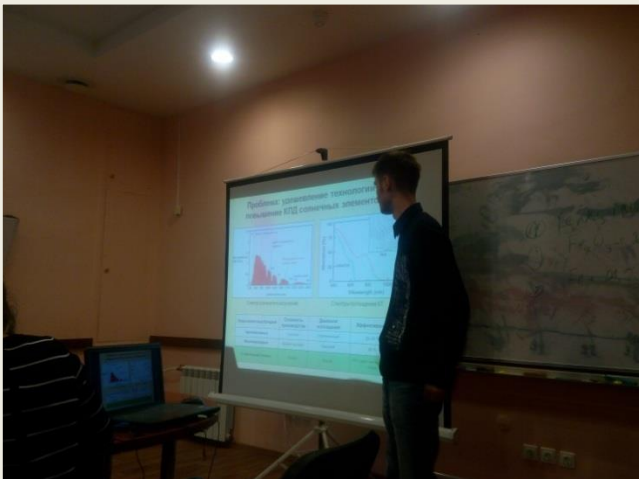
February



April



May



3rd International School and Conference “Saint Petersburg OPEN 2016” on Optoelectronics, Photonics, Engineering and Nanostructures was held on March 28 – 30, 2016 at St. Petersburg Academic University. The School and Conference included a series of invited talks given by leading professors with the aim to introduce young scientists with actual problems and major advances in physics and technology.

The keynote speakers were

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

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

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

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

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

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

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

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

During the poster session all undergraduate and graduate students attending the conference presented their works. Sufficiently large number of participants with more than 280 student attendees from all over the world allowed the Conference to provide a fertile ground for the fruitful discussions between the young scientists as well as to become a perfect platform for the valuable discussions between student authors and highly experienced scientists. The best student papers, which were selected by the Program Committee and by the invited speakers basing on the theses and their poster presentation, were awarded with diplomas of the conference – see the photos.

This year “**Saint Petersburg OPEN 2016**” is organized by **St. Petersburg Academic University** in cooperation with **Peter the Great St. Petersburg Polytechnic University**. School and Conference is supported by **Russian Foundation for Basic Research** (*Project № 16-32-10060*), **Russian Science Foundation**, **SPIE** (The International Society for Optics and Photonics) and **OSA** (The Optical Society). It is a continuation of the annual schools and seminars for youth on topical problems of physics and technology that is organized by the Academic University since 2009.

More details at <http://spbopen.spbau.com>

3rd International School and Conference **Saint Petersburg OPEN 2016**



**Optoelectronics, Photonics,
Engineering
and Nanostructures**



Saint Petersburg, March 28–30, 2016

Acknowledgements



**Russian
Foundation
for Basic Research**



**Russian
Science
Foundation**

**SPIE • STUDENT
CHAPTER**
SAINT PETERSBURG
ACADEMIC UNIVERSITY
RUSSIAN ACADEMY
OF SCIENCES

OSA[®]
The Optical Society

IOP Institute of Physics

**The head of Program Committee,
rector of St. Petersburg Academic University
academic *Zhores I. Alferov* is making opening remarks**



The head of Organizing Committee Professor *Alexey Zhukov*



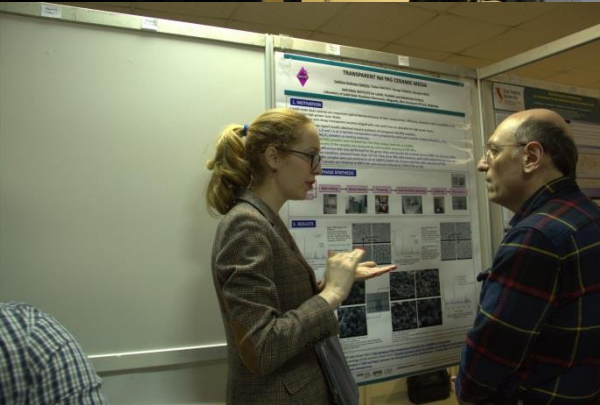
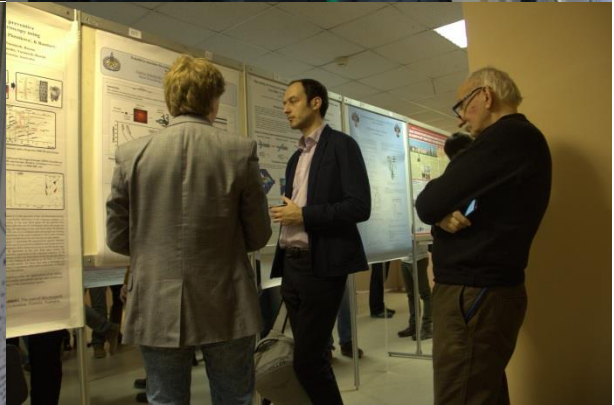
Visiting Lecturer SPIE Program

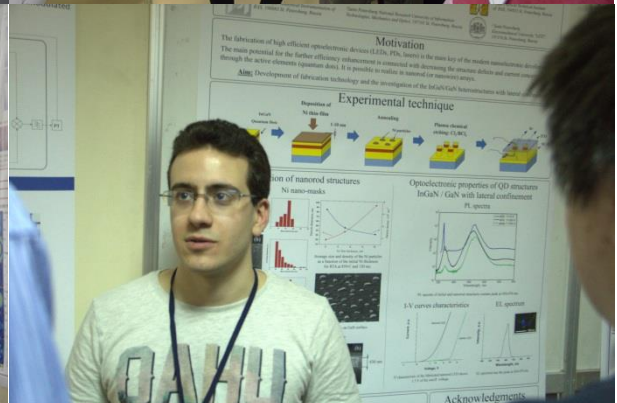
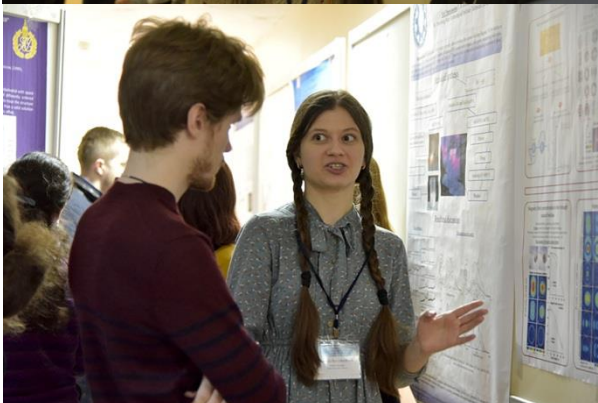
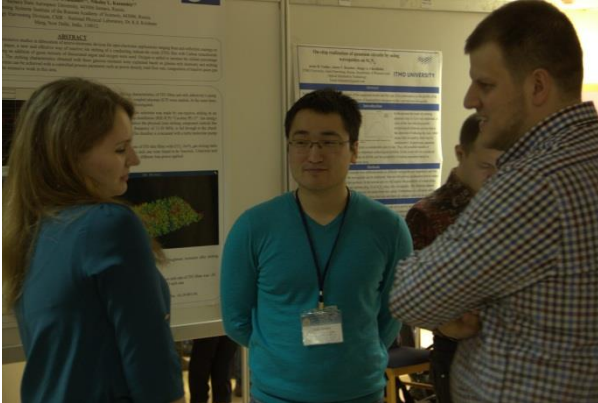
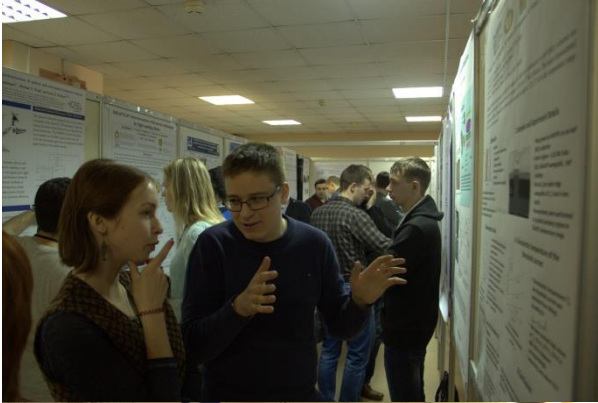
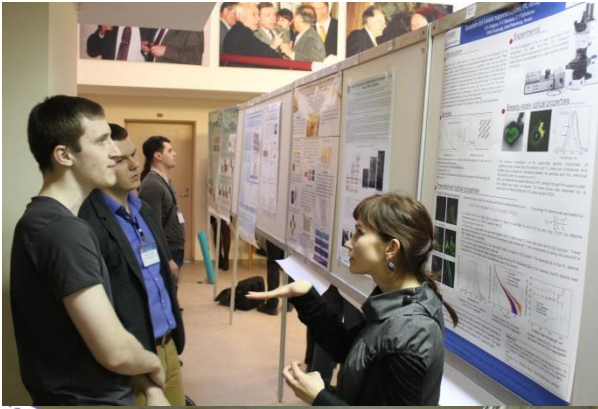
The invited speaker *Professor Mircea Guina*

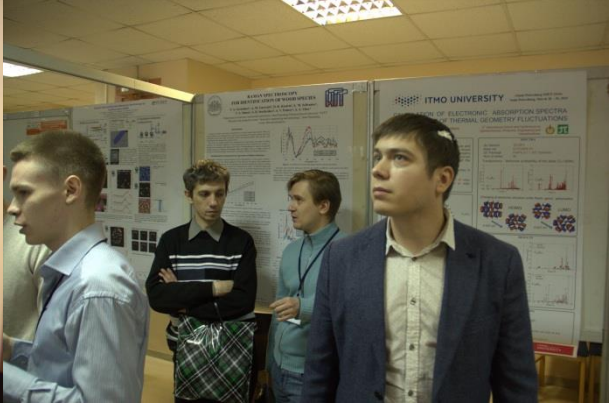
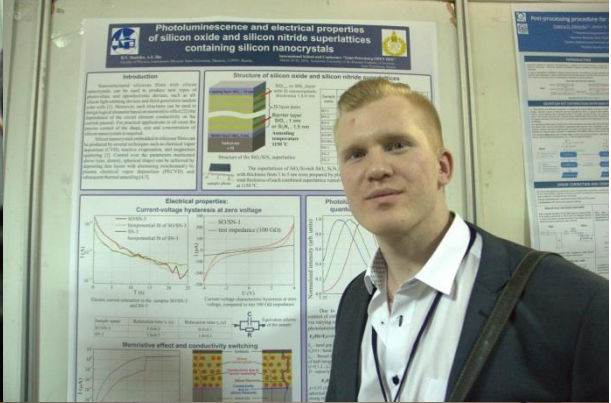
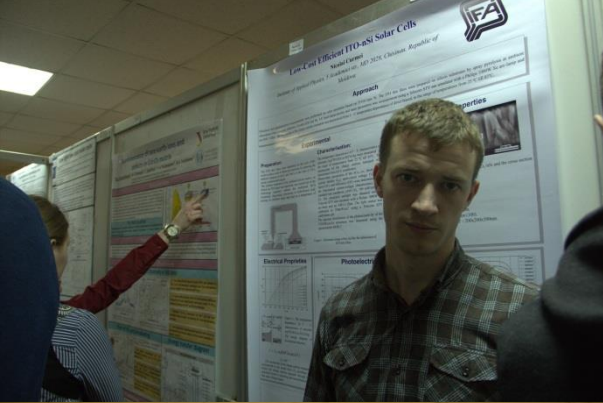
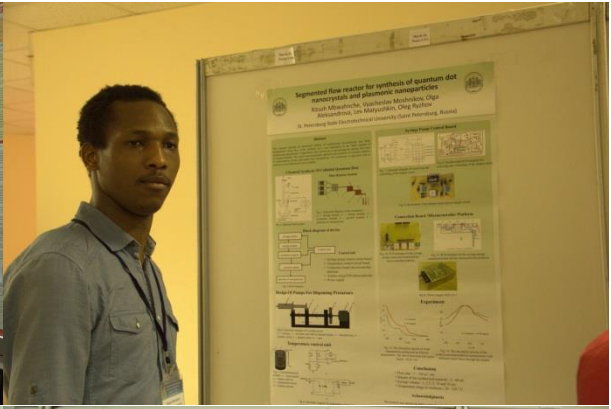


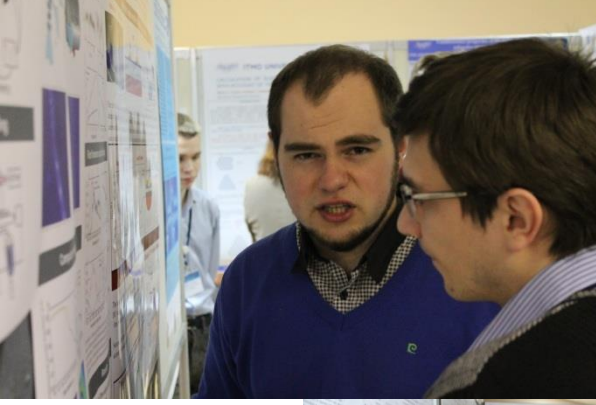
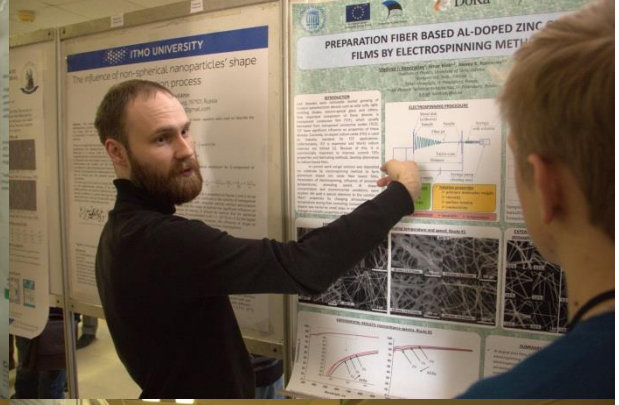
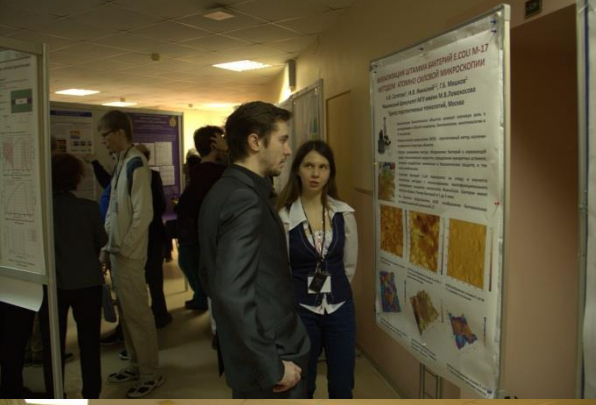
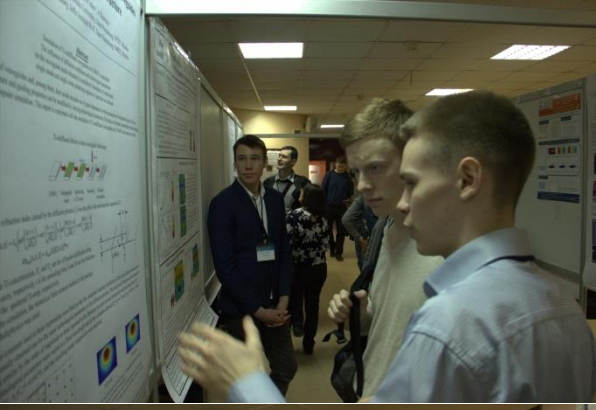
[The video report](#)

Poster Session









Award ceremony

Prof. Alexey Zhukov and Andrey Lipovskii with students





Closing remarks from Prof. Andrey Lipovskii and Prof. Alexey Zhukov



PhD student of Saint-Petersburg Academic University *Polubavkina Yulia* attended SPIE Optics+Photonics 2016 (24 August - 1 September, San Diego) as a representative of our Student Chapter.





Press release

Reduto awarded SPIE Optics and Photonics Education Scholarship

BELLINGHAM, Washington, USA – June 15, 2016 – Reduto Igor Vladimirovich has been awarded a 2016 Optics and Photonics Education Scholarship by SPIE, the international society for optics and photonics for his potential contributions to the field of optics, photonics or related field.



Reduto is a PhD student of St. Petersburg Academic University of the Russian Academy of Sciences. His research includes the fabrication and study of plasmonic and photonic nanostructures. His focus is on developing a new approach to manufacturing such as nanostructures and their investigation using optical spectroscopy, scanning electron microscopy and other techniques. Reduto is the co-author of 8 journal papers, one patent, and 14 conference papers.

In 2016 SPIE awarded \$351,000 in education and travel scholarships to 133 outstanding individuals, based on their potential contribution to optics and photonics, or a related discipline. Award-winning applicants were evaluated, selected and approved by the SPIE Scholarship Committee, Chaired by SPIE volunteer Cristina Solano. An additional \$45,000 in travel scholarships will be awarded later this year.

Through 2015, SPIE has distributed \$5 million dollars in individual scholarships. This ambitious effort reflects the Society's commitment to education and to the next generation of optical scientists and engineers around the world.

To view press releases of the scholarship recipients as they become available go to <http://spie.org/x1737.xml>. Contact scholarships@spie.org if you have any questions. Learn more at <http://spie.org/scholarships>.

SPIE is the international society for optics and photonics, an educational not-for-profit organization founded in 1955 to advance light-based science, engineering, and technology. The Society serves nearly 264,000 constituents from approximately 166 countries, offering conferences and their published proceedings, continuing education, books, journals, and the SPIE Digital Library. In 2015, SPIE provided more than \$5.2 million in support of education and outreach programs. www.spie.org

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