



Annual Report 2014/2015

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 Kudashova	yu.v.kudashova@mail.ru	Vice-President	3609722
Sergey Kurin	sergey.kurin@spbau.com	Treasurer	3536377
Igor Reduto	Reduto-igor@mail.ru	Secretary	3608352

2. List of current Student Chapter Members

First/Last Name	Status
Mikhail Chernov	member
Kirill Golenickij	member
Vladimir Klimenko	member
Julia Kobert	member
Aleksei Korotchenkov	member
Yulia Kudashova	member
Sergey Kurin	member
Eduard Moiseev	member
Alexey Mozharov	member
Ekaterina Pilyugina	member
Maksim Popov	member
Igor Reduto	member
Dmitry Rybalchenko	member
Zarina Sadrieva	member
Ivan Shostak	member
Leonid Stankevich	member
Vladimir Korenev	alumni

3. Details of Chapter activities

September 29, 2014

Lecture Professor Nikolai N. Ledentsov



October 10, 2014

Recruitment event to involve new members (information about the activities of society):
60 attendees



November 14 & 21, 2014 : 70 attendees

Organization of intellectual games for students on the topics of optics and photonics



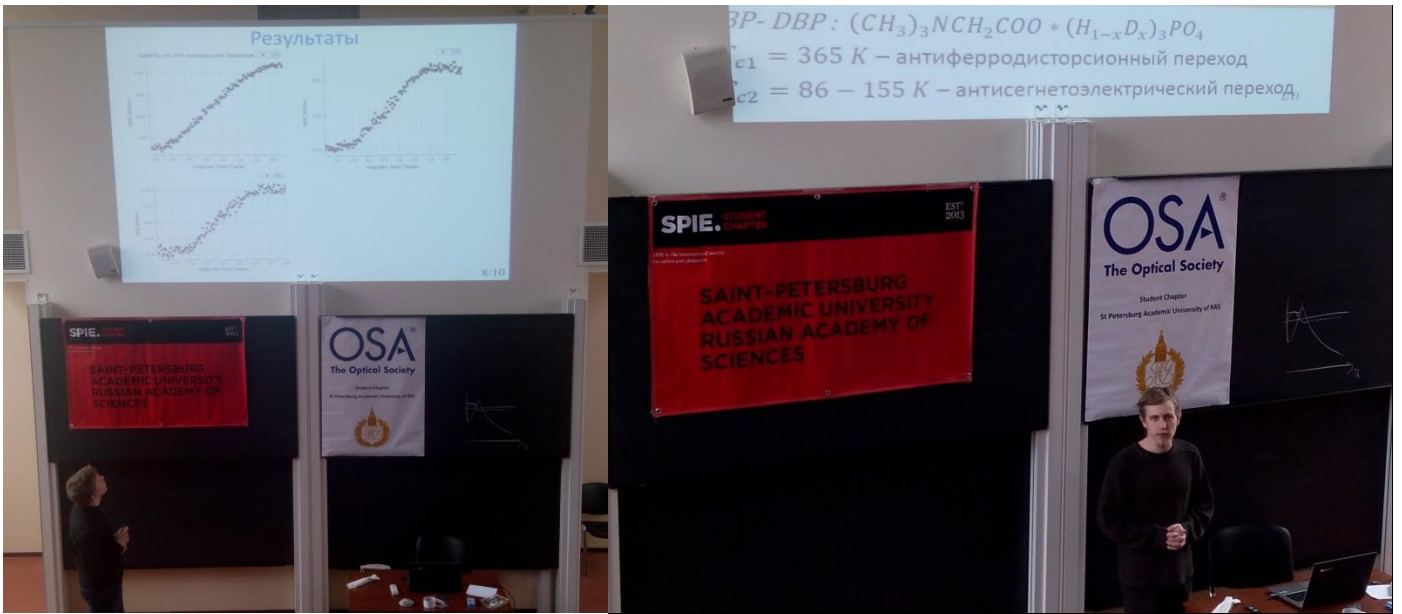
Seminars for young students from Lyceum "Physical-Technical High School" (PTHS) covering some theoretical and experimental basics of photonics and electronics (Recruitment event to dissemination of information about Optics and Photonics and involve new members):

December 19, 2014 : 15 attendees

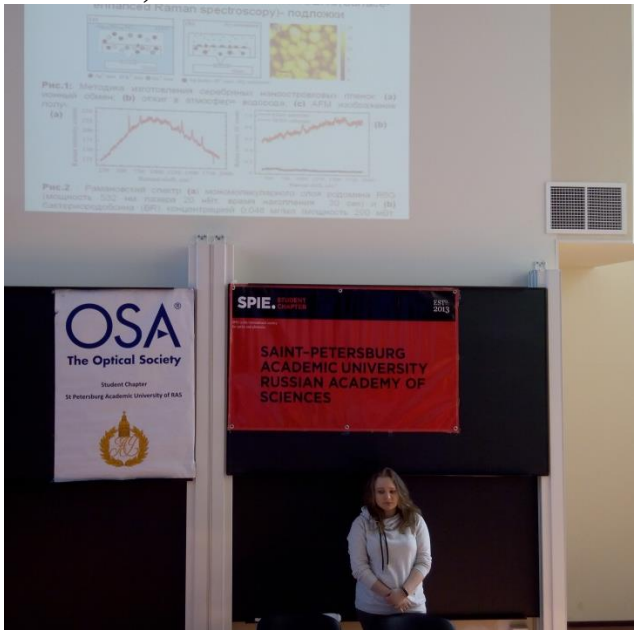


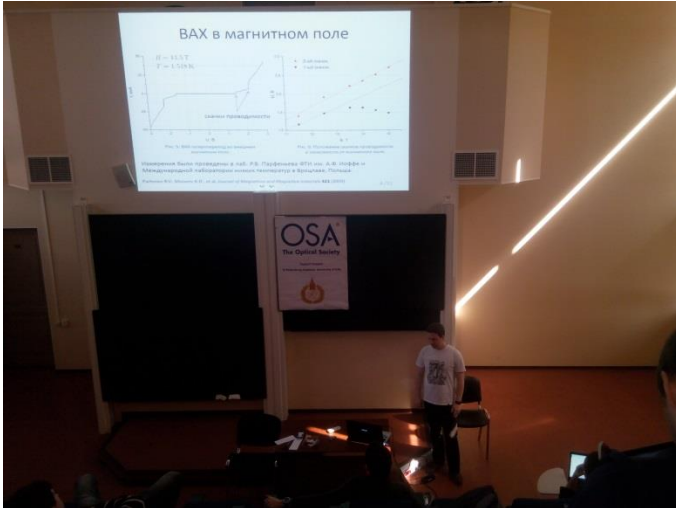
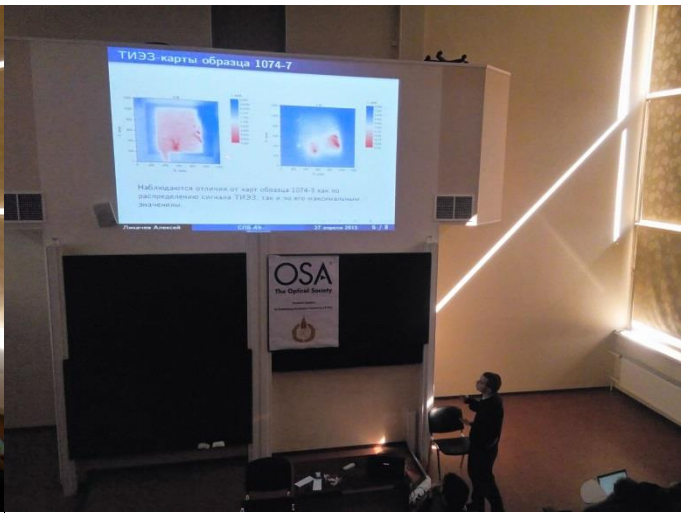
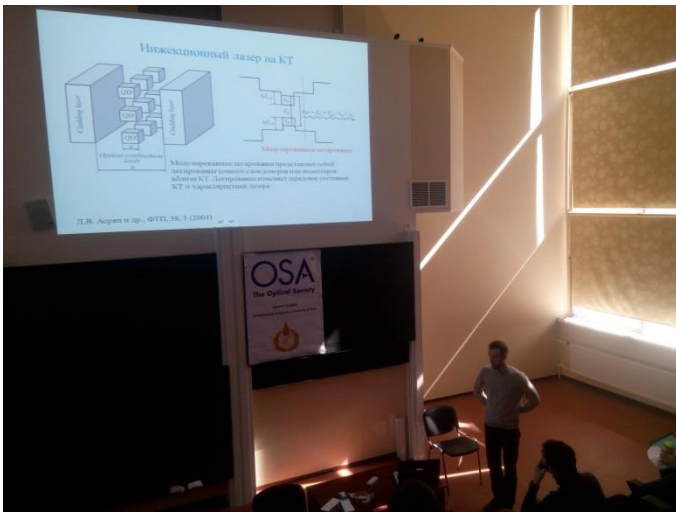
February 20, 2015 : 20 attendees





March 20, 2015 : 25 attendees





“Saint Petersburg OPEN 2015”, April 6-8, 2015: 170 attendees

2nd International School and Conference “Saint Petersburg OPEN 2015” on Optoelectronics, Photonics, Engineering and Nanostructures was held on April 6 – 8, 2015 at St. Petersburg Academic University. The event included a series of invited talks by leading scientists with the aim to introduce young scientists with actual problems and major advances in physics and technology. There was a special talk from Zhores I. Alferov, Nobel Prize winner in Physics 2000, on past and future of semiconductor electronics.

Keynote speakers:

Mikhail V. Maximov (*Ioffe Physico–Technical Institute RAS, Russia*)

Vladimir G. Dubrovskii (*St. Petersburg Academic University and St. Petersburg State University, Russia*)

Anton Yu. Egorov (*JSC Connector Optics, Russia*)

Victor V. Luchinin (*St. Petersburg State Electrotechnical University, Russia*)

Vladislav E. Bugrov (*St. Petersburg University of Internet Technologies, Mechanics and Optics, Russia*)

Vitali A. Schukin (*VI Systems, Germany*)

Yuri P. Svirko (*University of Eastern Finland, Finland*)

The conference topics were as follows:

- Semiconductor devices, micro- and nanoelectronics;
- Photovoltaics, solar cells;
- Electric and magnetic properties of semiconductor materials and nanostructures;
- Optoelectronics, nanophotonics, microcavities, photonic crystals;
- Growth of crystals and nanostructures, quantum dots, wires, wells;
- Quantum and nonlinear optics;
- Semiconductor lasers (including VCSELs, CW lasers, and LEDs);
- THz and microwave electronics;
- Biophysics, Nanobiotechnologies, biophotonics.

The poster session was organized in which undergraduate and graduate students presented their work. Each participant had an opportunity to share his/her most actual results with interested colleagues. The best papers were published in Journal of Physics: Conference Series.



2nd International School and Conference
“Saint Petersburg OPEN 2015”
April 6-8, 2015, St. Petersburg, Russia



Optoelectronics, Photonics, Engineering and Nanostructures



Российский
научный
фонд



IOP Institute of Physics

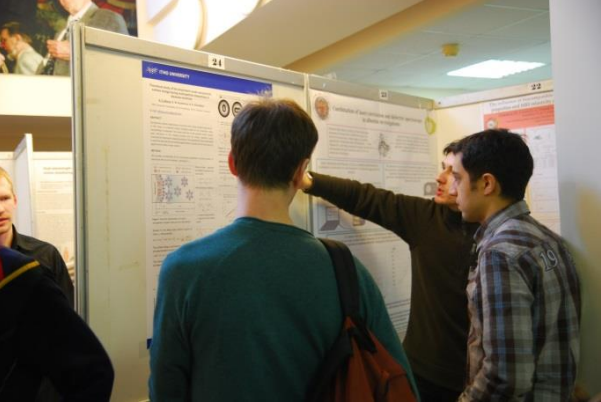
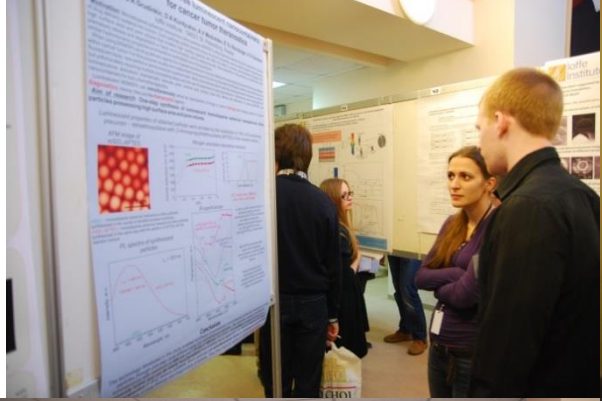
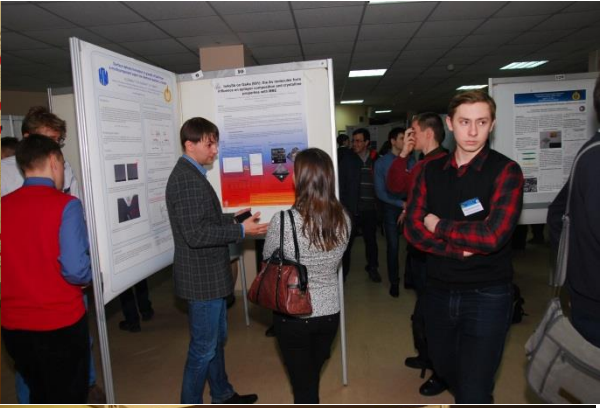
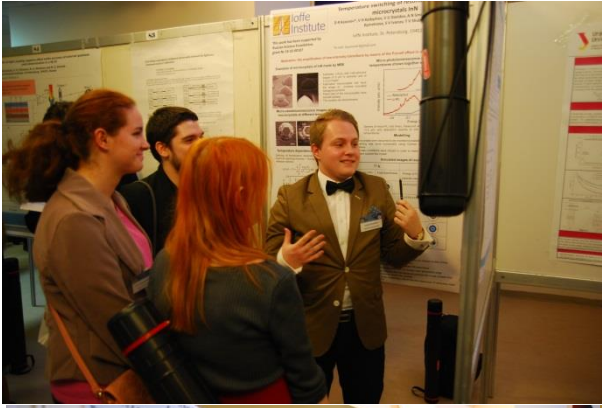
**The head of Program Committee,
rector of St. Petersburg Academic University
academic *Zhores I. Alferov* is making opening remarks**



The head of Organizing Committee Professor *Alexey Zhukov*



Poster Session



Award ceremony

Prof. Alexey Zhukov and Vladimir Dubrovskii with students







**Closing remarks from Prof. Vladimir Dubrovskii
and Prof. Alexey Zhukov**



PhD student of Saint-Petersburg Academic University Sergei Kurin attended SPIE Photonics West 2015 (7-12 February 2015, San Francisco) as a representative of our Student Chapter.

Sergei Kurin – representative of Saint-Petersburg Academic University Student Chapter at SPIE Photonics West 2015



BELLINGHAM, Washington, USA – 19 May 2015 – Eduard I. Moiseev (PhD student of Saint-Petersburg Academic University) has been awarded a 2015 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.
http://spie.org/Documents/Courses/Education_Outreach/Scholarships/Eduard-Moiseev-PR15.pdf



SPIE. **STUDENT CHAPTER**

SAINT-PETERSBURG
ACADEMIC UNIVERSITY
RUSSIAN ACADEMY
OF SCIENCES



Thank you SPIE !