

# **SPIE.** **STUDENT CHAPTER**

INSTITUTE FOR  
AUTOMATION AND  
ELECTROMETRY

## SPIE Student Chapter Report 2016-2017

### New-elected Chapter Officers:

Advisor: Dr. Sergey A. Babin, [babin@iae.nsk.su](mailto:babin@iae.nsk.su)

President: Roman Drobyshev [r.drobyshev@mail.ru](mailto:r.drobyshev@mail.ru)

Vice President: Alina Tkachenko [alinka.tkachenko@yandex.ru](mailto:alinka.tkachenko@yandex.ru)

Secretary: Irina Zaytseva [iraghbywtccf@gmail.com](mailto:iraghbywtccf@gmail.com)

Treasurer: Innokentiy Zhdanov [inn.zhdanov@rambler.ru](mailto:inn.zhdanov@rambler.ru)

### List of current members (10):

Vlad Gonta

Roman Drobyshev

Alina Tkachenko

Alexey Wolf

Innokentiy Zhdanov

Mikhail Skvortsov

Irina Zaytseva

Artyom Budarnykh

Fedor Benimetskiy

Matvey Vlasov

### Chapter's Activities (September 2016 – September of 2017):

1) Members of the Chapter participated in various serious conferences on Optics held in different parts of the World:

- Russian Seminar on Fiber Lasers (Novosibirsk, Russia, September 2016),
- International Scientific Student's Conference "Photonics and optical information technologies" (Novosibirsk, Russia September 2016) and Scientific Student's Conference Photonics and Optical Technology (April 2017), International Scientific Student's Conference organized by Novosibirsk State University. (April 2017)
- PIERS - Progress In Electromagnetics Research Symposium (St. Petersburg, Russia, May 2017),
- LPHYS - 26th Annual International Laser Physics Workshop( Kazan, Russia, July 2017),
- CLEO/Europe-EQEC 2017 - Conference on Lasers and Electro-Optics/Europe and the European Quantum Electronics Conference (Munich, Germany, June 2017).



2) Organization lectures on physics for schoolboys (March and April 2017).



- 3) Excursions to optics laboratories of the Institute for younger students and schoolboys were held by chapter's members.
- 4) Members of the Chapter participated in the Open Space Picnic in NSU. The picnic was devoted to the beginning of the school year. Members showed optical experiments.
- 5) Members of the Chapter published several papers in leading Russian and World scientific journals: Laser Physics Letters, Optics Letters, Quantum Electronics and some other.
- 6) Organization "Khet 2.0" tournament among students.

#### **Planned activities (September 2016 - September 2017)**

- 1) Organization conference Photonics and Optical Technology in 2018 with optical tutorial.
- 2) Organization open lectures for schoolboys on physics. (March 2018)
- 3) Organization of excursions to Institute for Automation and Electrometry laboratories for students and schoolboys. (spring 2018)
- 4) Organization of excursions to Akademgorodok laboratories (Siberian scientific center) for younger students. (spring 2018)
- 5) Preparing the Quantum Optics Seminars in the Institute. (During the year)
- 6) Attracting new members. (In the course of year)
- 7) Preparing and participation in various scientific conferences and seminars (During the year)

#### **Financial information**

Beginning balance – 500\$ (Activity Grant)

Payment of membership dues for SPIE Chapter members – 100\$

Lectures for schoolboys on optics mechanics (materials and transportation) – 200\$.

Help to members for involvement in conferences –100\$.

Conference organization (proceedings, coffee breakes, souvenirs ) –100\$

Ending balance – 0\$