

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

INSTITUTE FOR  
AUTOMATION AND  
ELECTROMETRY

New-elected Chapter Officers:

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

President: Kashirina Ekaterina

Vice President: Tkachenko Alina

Secretary: Efremov Vladislav

Treasurer: Vladimirskaia Anastasiia

List of current members (12):

Antropov Aleksandr

Bochek Daria

Budarnykh Artyom

Drobyshev Roman

Efremov Vladislav

Gonta Vlad

Kashirina Ekaterina

Skvortsov Mikhail

Tkachenko Alina

Vladimirskaia Anastasiia

Zaytseva Irina

Zhdanov Innokentiy

## Chapter's Activities (September 2017– September of 2018):

- 1) Members of the Chapter participated in various serious conferences on Optics held in different parts of the World. As well as members of the our chapter took an active part in organizing a RFL - Russian Seminar on Fiber Lasers (Novosibirsk, Russia, September 2018) and International Scientific Student's Conference "Photonics and optical information technologies" (Novosibirsk, Russia September 2018).

Pic 1 - The participants of RFL and International Scientific Student's Conference together after the joint section.



Pic 2 - Students from different cities presented their studies. The best works were awarded diplomas and prizes.



Pic 3 - As part of the student conference, an excursion was organized for guests of our city to several scientific institutes of SB RAS and NSU.



2) Members of chapter organized lectures in physics for high school students (together with senior colleagues from laboratories). (November 2017)

Pic 4



3) The members of the cell organized interesting excursions in the laboratories of the Institute of Automation and Electrometry for middle school students. (February and May 2018).

Pic 5 – February 2018



Pic 6 – May 2018

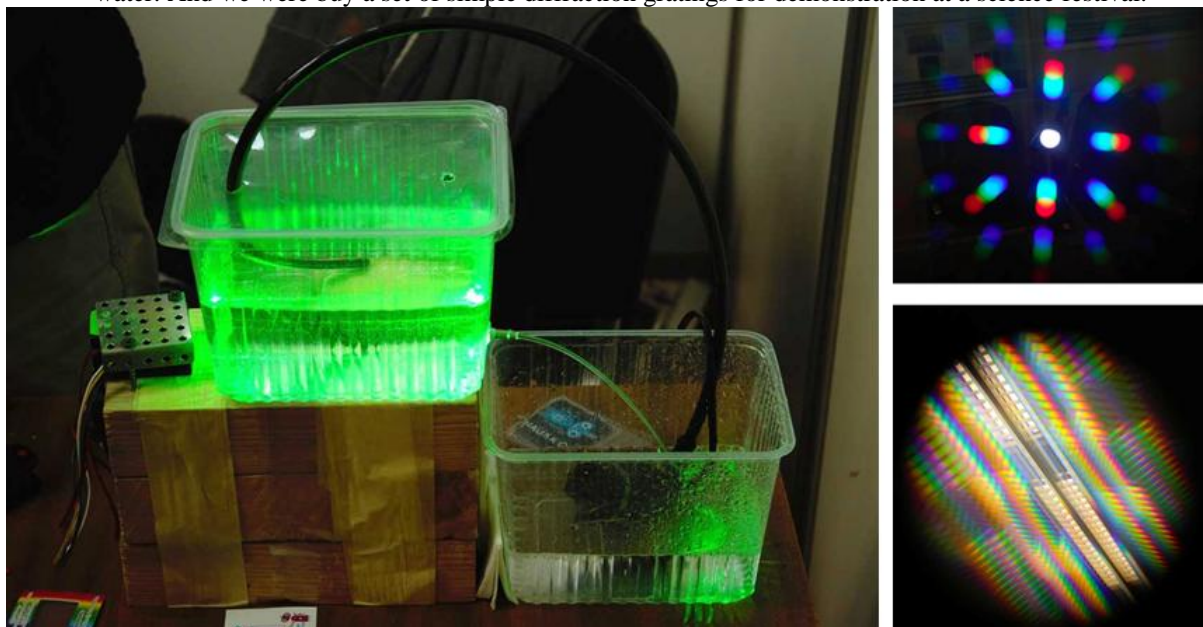


- 4) Members of our chapter (Drobyshev Roman, Skvortsov Mikhail, Vladimirskaya Anastasiia, Zhdanov Innokentiy) participated in the All-Russian Science Festival NAUKA0+ in Novosibirsk.

Pic 7



Pic 8 - It should be noted that we made a stand for a simple demonstration of the operation of an optical fiber based on water. And we were buy a set of simple diffraction gratings for demonstration at a science festival.



- 5) Members of the Chapter also conduct active scientific activities and have published several articles in leading Russian and international scientific journals: Laser Physics Letters, Optics Letters, Quantum Electronics and some other.

**Planned activities (September 2018 - September 2019)**

- 1) Organization International Scientific Student's Conference "Photonics and optical information technologies" in 2019.
- 2) Organization lectures for schoolchildren on physics in 2019.
- 3) Organization of excursions to Institute for Automation and Electrometry laboratories for students and schoolchildren in 2019.
- 4) Attracting new members. (In the course of year)
- 5) Preparing and participation in various scientific conferences and seminars (During the year)
- 6) Improvement and modernization of the stand for a simple demonstration of the operation of optical fiber based on water (buy or make to order a new water tank, buy a more powerful water pump, replace the batteries in a green laser).

**Financial information**

Beginning balance – 500\$ (Activity Grant)

Lectures for schoolchildren on physics (materials and transportation) – 300\$.

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

Made of the stand for a simple demonstration of the operation of optical fiber based on water–100\$.

Ending balance – 0\$