



SPIE Student Chapter Report 2010-2011

New-elected Chapter Officers:

- **Advisor:** Dr. Sergey A. Babin, babin@iae.nsk.su
- **President:** Kate Dontsova, ekaterina.dont@yandex.ru
- **Vice President:** Alexandr Dostovalov, alexlost@gmail.com
- **Secretary:** Kate Zlobina, zlobinakaterina@gmail.com
- **Treasurer:** Ivan Lobach, lobach_ivan@ngs.ru

List of current members:

- Kate Dontsova
- Alexandr Dostovalov
- Denis Kharenko
- Ivan Lobach
- Ilya Nemov
- Maxim Politko
- Victor Simonov
- Ilya Vatnik
- Kate Zlobina
- Lera Popova

Chapter's Activities (September 2010 – September of 2011):

- Kate Dontsova received Officer Travel Grant and participated in the SPIE Student Chapter leadership workshop 2011 in San Diego
- Organization conference Photonics and Optical Technology – 2011 with oral and poster sessions, business tutorial, coffee-breaks, and prizes. (website www.potcon.ru in Russian)
- Organization lecture “Fiber lasers” presented by Dr. Andrey Kurkov (Prokhorov General Physics Institute, Russian Academy of Sciences)
- Organization “Khet 2.0” tournament among students.
- Organization lectures on physics for schoolboys.
- Organization command playful optical game for participants conference “Photonics and Optical Technology” – 2011 for creation new optical devices.
- Kate Zlobina and Denis Kharenko participated in 6th International Summer School New Frontiers in Optical Technologies in Finland (sponsored by SPIE Europe).
- Ivan Shelemba participated in 21th International Conference Optical Fiber Sensors in Canada (sponsored by SPIE).
- Members of the Chapter participated in various serious conferences on Optics held in different parts of the World: Russian conference on fiber Optics (Perm, Russia), 20th International laser physics Workshop (Sarajevo, Bosnia and Herzegovina), International Scientific Student's Conference (Novosibirsk, Russia)
- Excursions to optics laboratories of the Institute for younger students and schoolboys were held by chapter's members.
- Members of the Chapter published several papers in leading Russian and World scientific journals: Optics Express, Optics Letters, Laser Physics, and Quantum Electronics.
- Chapter's members organized more than 20 Quantum Optics Seminars in Institute for Students and Scientists. The lectures were about last achievements in optics. (website <http://www.iae.nsk.su/index.php/ru/seminars-and-conferences/seminar-quantum-optics> in Russian)
- 22 games were played in Optical Soccer League.
- New Officers were elected.

Planned activities (September 2011 - September 2012)

- Organization conference Photonics and Optical Technology – 2012 with optical tutorial. (March 2012)
- Organization 2th “Khet 2.0” tournament among students and schoolboys. (March 2012)
- Preparing and participation in the International Scientific Student’s Conference organized by Novosibirsk State University. (April 2012)
- Organization of excursions to optics laboratories of the Institute for younger students. (Winter-spring 2012)
- Organization lectures on optics for schoolboys in various schools of Novosibirsk (During the year)
- Preparing the Quantum Optics Seminars in the Institute. (During the year)
- Participation in Student Chapter Leadership Workshop 2012. (August 2012)
- Attracting new members. (In the course of year)
- Create chapter’s web-site.

Financial information

Beginning balance – 500\$ (Activity Grant)

- Organization conference “Photonics and Optical Technology” – 2011: conference proceedings – 170\$.
- 4x “Khet 2.0” board game with shipping – 330\$.

Ending balance – 0\$



Kate Dontsova participated in SPIE Student Chapter Leadership Workshop 2011



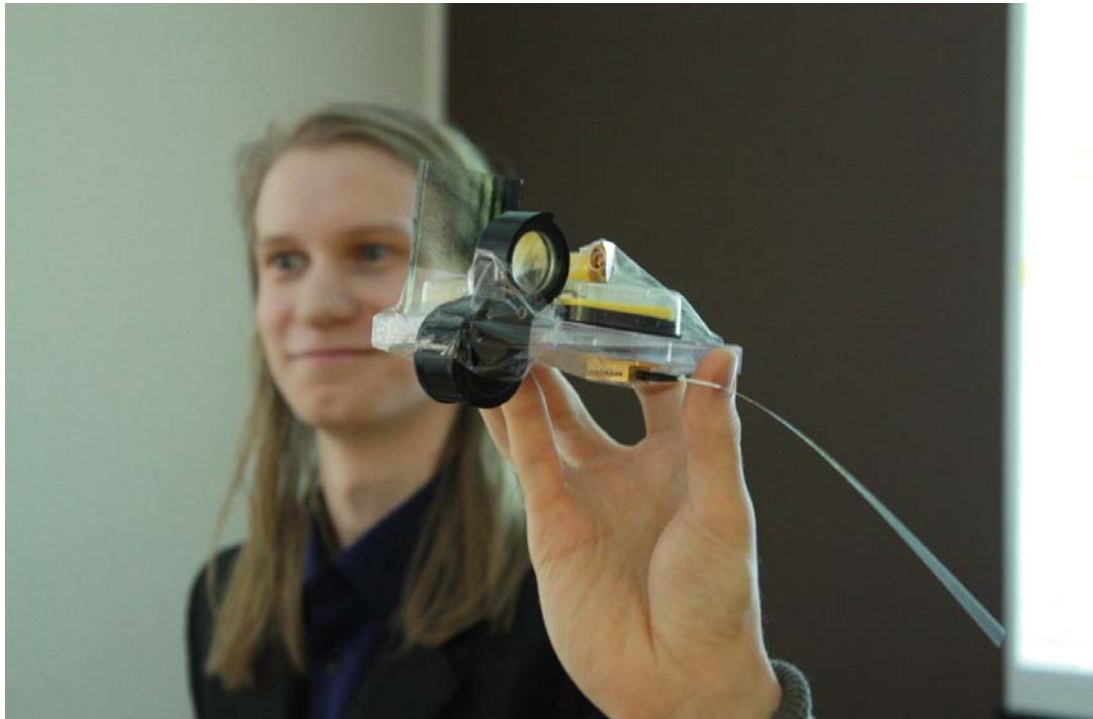
Andrey Denisov (on the right) shows physical experiments for schoolboys.



Participants of the conference “Photonics and Optical Technology” - 2011.



Poster session on the conference “Photonics and Optical Technology” - 2011.



Participant of command playful optical game with “Optical spaceship”



Schoolgirls with hologram in Hologram Laboratory in our Institute.