



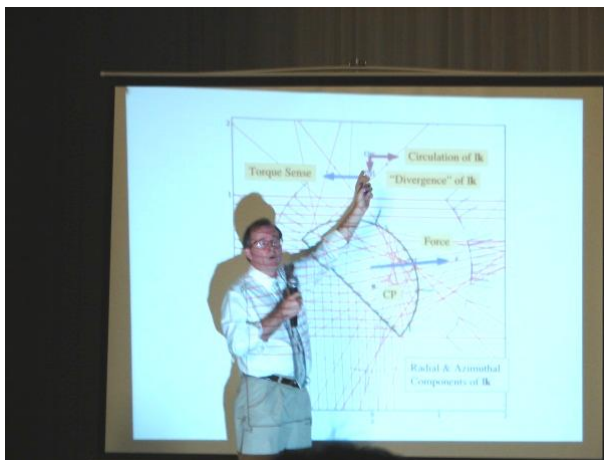
**NATIONAL TECHNICAL UNIVERSITY OF UKRAINE
“KYIV POLYTECHNIC INSTITUTE”
SPIE STUDENT CHAPTER REPORT
(April 2012 – April 2013)**

ooep.kpi.ua

Our chapter goal is to involve students into Optics and Photonics. We are concentrated on two ways. The first one is to involve students into engineering activity (making prototypes, applied research, measurements etc.) and the second one is to involve students into research activity (making science research, participating in SPIE conferences, inviting world-known lecturers etc.). Every year we organize local SPIE meetings, workshops and discussions. Now we have good communication with all Ukrainian SPIE student chapters. With other chapter we try to accumulate resources, to invite SPIE lector, VIP in optical industry, famous professors and talent students in one SPIE conference per year. This conference is a good place to meet all optical enthusiasts together under SPIE banner.

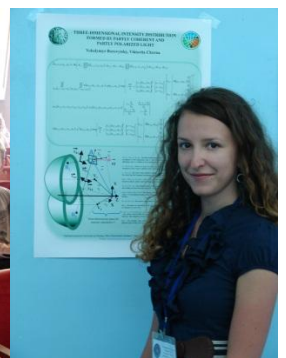
The list of main activities:

1. This year we invited Grover Swartzlander as a SPIE lector with his oral report “Solar Sailing. Navigation the Heavens with Sunlight”. He made his report on the conference “Singular Optics 2012” on the student section. On this event was present a lot of young researchers from many schools, colleges and universities. This lecture was easy understandable and very interesting for students. They asked many questions about this report after the section.



Grover Swartzlander presented his report

2. Participation in SPIE conference “Singular Optics 2012”, Sevastopol, Ukraine. The purpose of the conference is to provide the discussions of novel approaches and advances in the field of singular optics, optical devices based on transformation of angular momentum of light, high-technology applications based on singular optics and vortices, optical fiber networks, etc. Our members demonstrated their research results.





Photos from Singular Optics 2012 conference

3. In November, our SPIE student chapter organized the visit to ONU office, Universities of Vienna, and Central European University. We had the interesting discussions with students and professors about SPIE, optical education and perspectives in Optics and Photonics.

University of Vienna



Visit to ONU

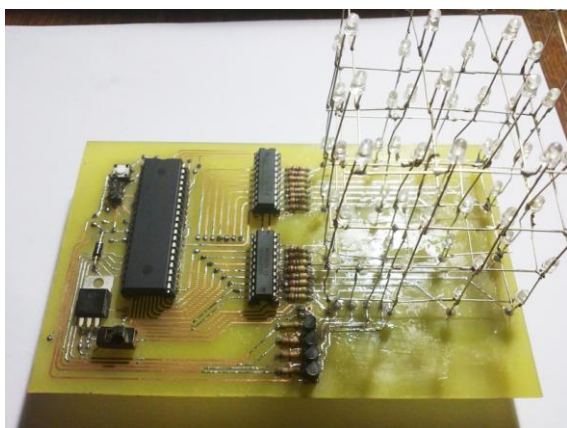


Central European University

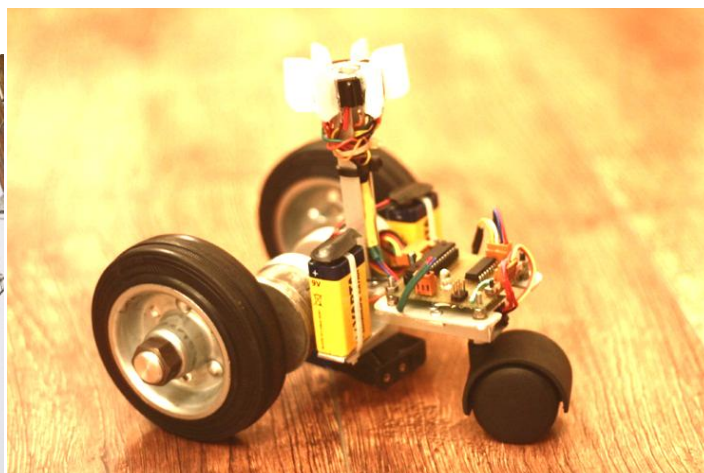
4. Our SPIE members participated in the Russian Olympiad “Optotechnika-2012”. Four students solved optical tasks and demonstrate the good results in bitz tour.
5. SPIE students organized the international young researcher section at the conference “Instrument - making 2012: state and perspectives”, Kiev, Ukraine. All necessary preparations have been done – presentations, discussions, abstract publications.
6. SPIE students made presentations at the conference “Optics and High Technology Material Science”, National State University, Department of optics, Kiev, Ukraine.
7. Our SPIE members made the interesting optical projects.



“Color” Water thermometer



3D animated LED cube



IR-controlled automotive platform

President Andrii Fesenko

Secretary Viktoriia Chorna

Advisor: Prof. Volodymyr Borovytsky

At this time, there are 15 students listed in our SPIE Student Chapter.

List of all current student members of SPIE Student Chapter of National Technical Univ. of Ukraine Chapter:

Name	Expires
Taras Chernish	26 November 2013
Viktoriia Chorna	23 October 2013
Andrii Fesenko	17 October 2013
Zakharii Fesenko	30 November 2013
Igor Goliuk	30 November 2013
Viktor Iatsyshyn	26 November 2013
Vladyslav Kovalov	19 November 2013
Anton Kyianytsia	5 April 2014
Aleksander Malenko	13 December 2013
Quynh Anh Nguyen	7 November 2013
Tymur Parpiiev	9 November 2013
Dmytro Pozdniakov	30 November 2013
Oleksandr Solovei	12 February 2014
Stanislav Yushkov	9 September 2013
Oleksii Zhyglov	14 November 2013

Financial information

SPIE provides funding to our Student Chapter in 2012.

In 2012 we got Activity grant (700 dollars)

List of expenses associated with projects.

Printing of local SPIE event program, posters, information materials and others ...	\$ 110
Purchase of optical components for student projects (LED, laser diodes, lenses, objectives and others)	\$ 290
Conference fees and covering transport and housing expenses (four participants, SPIE conference “Singular Optics 2012”, Sevastopol).....	\$ 230
Souvenirs for all chapter members with SPIE Logo.....	\$ 70
Total	\$ 700
Balance on April, 2013	\$ 0

President	Andrii Fesenko
Secretary	Viktoriia Chorna
Advisor:	Prof. Volodymyr Borovytsky