

SPIE Student Chapter Report 2008 of Taras Shevchenko National University of Kyiv

Date: June 2008

Advisor: Prof. Leonid V. Poperenko; phone: +38044 2662296;

e-mail: plv@univ.kiev.ua

Reported period: June 2007 – June 2008

Preparer's name: Oliana O. Fedosenko; e-mail: jolyana@univ.kiev.ua

Preferred mail address for chapter: Dept. of Physics, Taras Shevchenko Kyiv National University, prosp. Glushkova 2, build. 1, Kyiv 03680, Ukraine

<http://www.spie.kiev.ua>

e-mail: jolyana@univ.kiev.ua

Current SPIE Student Chapter Officers:

President – Khakimov Roman

Vise-president – Lopatynska Olga

Treasurer – Bukatar Oleksandra

Secretary – Daria Ivaschenko

Current SPIE Student Chapter Members:

1. Oleksandra Bukatar alya215@rambler.ru
2. Oliana Fedosenko Jolyana@univ.kiev.ua
3. Viktor Garashchenko tor_opt@univ.kiev.ua
4. Vasya Gomonovych vasia8888@ukr.net
5. Ksenija Kazachenko Failhen@rambler.ru
6. Roman Khakimov khakimov@ukr.net
7. Sergiy Kurlov Kurlov_s@rambler.ru
8. Olga Lopatynska olya_ivanova@univ.kiev.ua
9. Angelika Luchenko luchenko@univ.kiev.ua
10. Andrey Maksimov maoven@ukr.net
11. Boris Mironyuk mironjuk@ukr.net
12. Grygorii Monastyrskyi Greg_m@bigmir.net
13. Vadim Mudriy Hunt.pigeon@gmail.com
14. Iegor Rafalovskyi Rafal_x@list.ru
15. Mykhailo Rakov Misha_rakov@mail.ru
16. Igor Shavrin shavrin@univ.kiev.ua
17. Anna Shevchenko nachtiegel@mail.ru
18. Ruslana Udovytska rusya@univ.kiev.ua
19. Daria Ivaschenko ida@ukr.net

Since June 2008 our Chapter held the number of activities with educational and inspirational purposes.

1. Annual Young Scientists Conference

8-th International Young Scientists Conference “Optics & High Technology Material Science SPO 2007” was held at Physics Department of Taras Shevchenko Kyiv National University in October 25 – 28, 2007. It is a traditional Conference. As previous conferences its main goal was to broaden the range of knowledge in optics and to

profound the range of interests of young researchers as well as exchange of the opinions on the decision of the mainstream optical problems. This year the Conference was a little smaller (about 100 participants) due to some obstacles but in future we plan to gain more access in this important type of activity.

Detailed information is contained in our previous semiannual report from December 2007.

2. Working with school children

We have invited secondary school students to our Physics Department in any time. They also actively have attended Conference Exhibition and Plenary Session of 8-th International Young Scientists Conference "Optics & High Technology Material Science SPO 2007", they had fruitful discussion with Advisor of SPIE Student Chapter, Head of Optics Department Prof. Leonid V. Poperenko dealing their future and undergraduates and PhD students.

We have some activities for school children for involving them to Optics Division. These activities include Computer Video Presentation during June 2007 at Physics Department, working with undergraduates to improve their math skills, inspiring school children in Optics (using Hand-On-Optics kit and other supplement).

Every week in our activity schedule we have a day for working with last year secondary school children to increase their math and physics level and revise them.

Three children have a scientific work at Physics Department leading by PdD students (SPIE members) for presentation at Small Academy of Science of Ukraine.

3. Attending Conferences and Meetings

PhD student Oliana Fedosenko, current President of our Chapter have attended the "Optics and Photonics 2007" in San Diego, CA in August with the support of Officer Travel Grant. She has made the report after this travel for Chapter and the staff of our Optics Division at Optics Division meeting and at SPIE Student Chapter Meeting.

Our six members, 4th year students, have attended as an International Delegation All-Russian Students Competition in Optical Engineering 2007 (Всероссийская Студенческая Олимпиада по Опотехнике) in St.-Petersburg and gained 4th Prize.

Our SPIE Chapter members this school year have attended two Conferences with topics in Optics: in Kharkiv (Ukraine), December 2007, and "Optics-2007" in St. Petersburg (Russia), October 2007. The travel expenses were reimbursed as well as travel expenses for attending All-Russian Competition by SPIE Student Chapter.

We have upgraded Chapter Library by a lot of useful books in Physics.

We plan to continue existing collaborations and finding new partners for holding Annual Young Scientists Conference, to upgrade more Chapter Library (it is always necessary for students).

We plan to actively work with school children to inspire them in Physics and particularly in Optics. We understand that nowadays it is necessary for first year students of our Department to increase their math skills. So it is also in our agenda.

We plan to gain more access in Annual Young Scientists Conference. Although this year it will be 9th Conference and there are some ways to improve this important type of activity. In particular we should aware about scientific appearance, design and entertainment. Photo Exhibition should be more developed.

FINANCIAL REPORT

Beginning balance	0 USD		
Funds raised and expended	4000 USD		
		Source/destination	Amount
		Annual Young Scientist Conference SPO 2007 Publishing	500 USD
		Annual Young Scientist Conference SPO 2007 Refreshments and Coffee Breaks	100 USD
		Annual Young Scientist Conference SPO 2007 office accessories and supplements	200 USD
		Organization of SPIE Membership Day with Reception	50 USD
		Organization of Lectures for students of our University	200 USD
		Organizations of Official Meetings of SPIE Members, non-Members, Students in Optics	250 USD
		Travel expenses of SPIE Student Chapter members for attending conferences and meetings (10 students)	1000 USD
		Purchasing digital supplement for SPIE Student Chapter Office	300 USD
		Organization of Lectures for students of our University with refreshment	50 USD
		Next Annual Young Scientist Conference SPO 2008 Paper advertisement and supplement	100 USD
		Stationary supplement for SPIE Students Office	80 USD
		Hand-outs and small gifts for undergraduates from Secondary Schools during our program with lectures and activities for them	100 USD
		TOTAL	2930 USD
Details of SPIE funding received	3000 USD		
<i>Other sources:</i> Qpsi Quantum Photonics Science Research Center, Hanyang, Korea	1000 USD		
Ending balance	1070 USD		