

SPIE Student Chapter Ivan Franko National University of Lviv

<http://www.electronics.wups.lviv.ua:8102/stchapter>

Student Chapter Report

June 2008-May 2009

Name of Chapter:

SPIE Student Chapter at Ivan Franko Lviv National University

Person Completing Form/Contact:

Bohdan Tsop, Former Chapter President (2008)

E-mail: jin_87@ukr.net

Number of members: 15

Chapter Officers elected for the next Academic year (May 2009-May 2010):

President: Hanna Danulyuk danyljuk@electronics.wups.lviv.ua

Vice President: Andrew Tomin amtomyn@gmail.com

Treasurer: Vita Dmytruk vita_dmytruk@mail.ru

Secretary: Volodymyr Koman volodia.koman@gmail.com

Chapter Advisor: Dr. Alexander Bilyi Bilyi@electronics.wups.lviv.ua

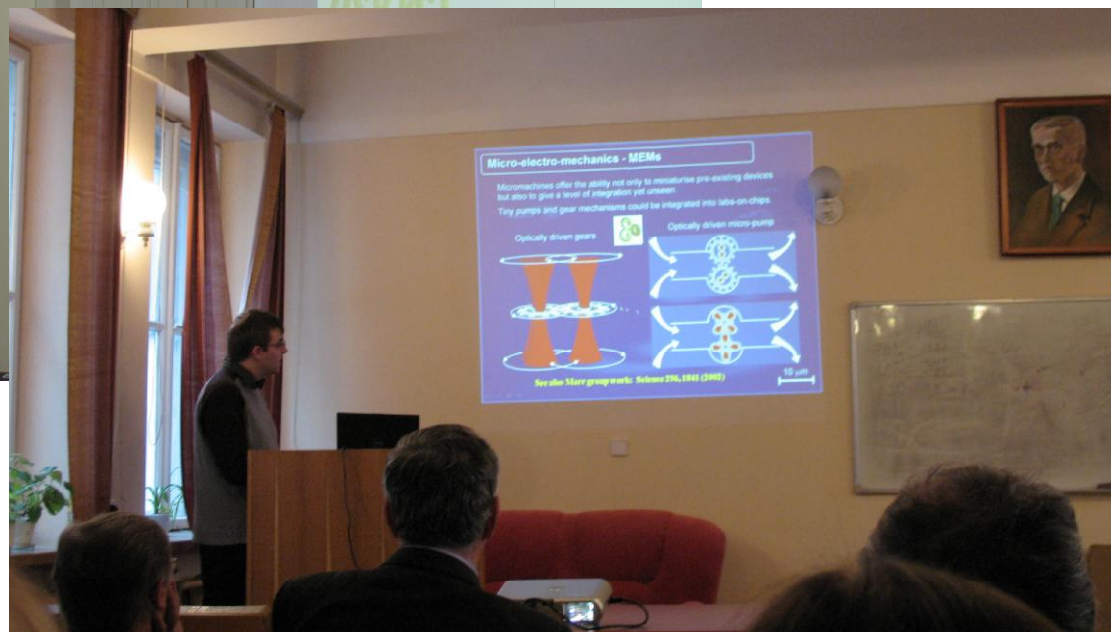
Chapter activities:

1. We have recruited new members and increased the number of chapter members for 50% (now 15 members compared to 10 previous year).
2. Chapter member Andrew Tomin was awarded the SPIE Scholarship 2008, he successfully performed the research planned for scholarship and have published a paper.
3. Students of the chapter, as well as other volunteer students from the University, studied the advanced course "Physical principles of biomedical methods for clinical diagnostics" taught by Chapter Advisor Dr. Alexander Bilyi during spring semester. The development of course was supported by *2006 SPIE Educational Grant in Optical Science & Engineering*.
4. Chapter members helped in preparation the course of presentations for a young scientists which was presented in September-October. The preparation of the course was supported by OSA Foundation. The course consisted of the following topics: how and where to search for scientific data? how to write an article? how to write a CV and resume? how to improve scientific presentation? what is scientific idea how valuable is it? how and when to patent you invention? how to apply for scientific grants and to be successful? Also, SPIE members attended the course. The course had a great success amount the audience.
5. During Visitor Lecturer program Prof. Ivan Smalyukh have made a lecture: "Controlling matter by focused beams: laser tweezers and laser shapers", which was attended by Chapter members and was very interesting and successful.
6. Prof. Smalyukh have also taught the SPIE Short course "Liquid Crystals: From Fundamentals to Applications" to Chapter members.

7. Student chapter members previously have prepared few presentations "Amazing optics" for younger students During the reporting period 2 presentations were made for 1st grade students..
8. Meetings with the students of Ivan Franko Lviv National University, Lviv Polytechnic University and Lviv Medical University with the aim to promote SPIE activities. The promotion presentation about SPIE and our Chapter was done by Oksana Drobchak during local "Eureka' Conference.
9. During reporting period there were 8 Chapter meeting. The meetings are usually arranged last Thursday of the month (regular), additional meetings are arranged when needed.
10. SPIE Officer travel grant was used by Oksana Drobchak to participate in PW-2008 and to make a poster presentation during the conference.
11. We continue our established scientific collaboration with SPIE Student Chapter at Wroclaw University. During the reporting period a new results were obtained and we have published a second joint article:.

R. Bilyy, A.Tomyn, Yu.Kit, A.Podhorodecki, J.Misiewicz, M.Nyk, W.Strek, R.Stoika,
Detection of dying cells using lectin-conjugated fluorescent and luminescent nanoparticles. / Materials Science and Engineering Technology, 2009, V40 (4), P. 234-237.

Visiting lecturer program: visit of Prof. Smalyukh (University of Colorado at Boulder, USA) to our Chapter. Lecture: "Controlling matter by focused beams: laser tweezers and laser shapers", and SPIE Short course "Liquid Crystals: From Fundamentals to Applications".



Financial information:

Beginning balance - \$0.

Funds obtained from SPIE - \$500.

Funds expended: \$500

Details:

	\$
Library subscriptions	250
Organization of lectures, presentations and Chapter meetings,	
Participation in local conference "Eureka"	220
Other (including bank expenses)	30
Total	500

Ending balance - \$0.