



Student Chapter Report

June 2010-May 2011

Name of Chapter:

SPIE Student Chapter at Ivan Franko Lviv National University

Person Completing Form/Contact:

Andrew Tomin, Elected Chapter President (2010-2011)

E-mail: amtomyn@gmail.com

Number of members: 16 (during most of the year), currently – 11 students (due to the renewal period at the end of the year) + 1 Alumni.

Chapter Officers elected for the next Academic year (May 2011-May 2012):

President: Oresta Vasylyv oresta.vasylyv@gmail.com

Vice President: Andrew Tomin amtomyn@gmail.com

Treasurer: Tanya Shkandina tanjusha89@ukr.net

Secretary: Natalia Korniy aliakorniy@mail.ru

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

Chapter activities:

1. We have recruited 6 new members and increased the number of chapter members for 16 members at its top in April; this year 4 members have graduated their MS or PhD study this year and we currently have 11 student members and 1 alumni.
2. 1 Chapter members have applied for SPIE Scholarships in 2011, unfortunately she was not successful in her application.
3. Chapter President Andrew Tomin has participated in the European Conferences on Biomedical Optics 2011. There he has presented a paper/poster of scientific work involving 3 Chapter student members.
4. In Autumn 2010 we have participate in the LASERFEST with the presentations “Hit the Target”. This was presentations to 13-16 years old high schools students, specialized in life sciences.
5. This year we celebrate an 150th anniversary of the discovery of Liquid crystals by J. Planer in Lviv University. Thus we have performed a set of demonstrations about the discovery and have presented during annual Festival of Science and Education in Lviv, during April 28-30, 2011. During the Festival we also have prepared some small presentation about our Chapter.
6. Chapter members have participated in the OSA-supported workshop “Workshop dedicated to 150th anniversary of discovery of liquid crystals in Lviv University”, May 24, 2011 and have greatly contributed to the organization of the evnt.
7. Student members are involved in realization of SPIE Educational Grant, Project entitled “Summer school devoted to 150th Anniversary of liquid crystal discovery at Lviv University”, and currently we are preparing some demonstrations.
8. We have organized the Workshop on Fuel Cells, where we have invited scientist from National Academy of Science of Ukraine and members of Ukrainian Society of

Cell Biology. 3 chapter members have presented their first research data on microorganism for fuel cells. The workshop took place in Lviv National University, Faculty of Electronics at March 30, 2011.

9. We continued scientific collaboration with SPIE Student Chapter at Wroclaw University and Institute of Radiophysics and Electronics and have prepared some new data for a peer-reviewed paper.
10. 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*.
11. During reporting period there were 7 Chapter meeting + a set of additional working meeting during preparation demonstrational events. The meetings are usually arranged last Thursday of the month (regular), additional meetings are arranged when needed.

Summarizing, despite the huge amount of students who have graduated this year, we obtained a significant progress in educational activities, by organizing conferences, meetings, etc.

Financial information (for year 2010-2011):

Beginning balance - \$0.

Funds obtained from SPIE - \$950.

Funds expended: \$950

Details:

	\$
collaborative event (Workshop on Fuel Cells)	250
Library subscriptions	200
Organization of Chapter meeting and lectures	180
Participation in scientific conferences. -	300
Other (including bank expenses)	20
Total	950

Ending balance - \$0.



Chapter members during Festival of Science and Education in Lviv, April 29, 2011



LASERFEST "Hit the Target" demonstration, December 2010.