

Student Chapter Report

June 2016-May 2017

Name of Chapter:

SPIE Student Chapter at Ivan Franko Lviv National University

Person Completing Form/Contact:

Olexander Karmash, Elected President (May 2016- May 2017- May 2018)

E-mail: sashakarmash@gmail.com

1. Members and Officers:

Number of members: 3 (3 students + 0 Alumni)

During most of the year: 11.

Many members have graduated this year (7 members) either as PhD students or MS/BS students. While others (Anna Hordeichuk) experience problems (technical errors) with their accounts. We are working on solving these issues. We plan the recruitment event among new students in September 2017; besides we have contacted SPIE for technical issues about account.

Chapter Officers elected for the next Academic year (May 2016-May 2017):

President: Olexander Karmash, sashakarmash@gmail.com

Vice President: Maksym Kitsera maximusslviv@gmail.com

Treasurer: Anna Hordeichuk, hordeichuk.a@gmail.com

Secretary: Bohdan Bordun, sidem.fm@gmail.com

Chapter Advisor: Dr. Alexander Bilyi, bily2011@yandex.ru

2. List of current Student Chapter Members:

Total Student Members: 3

Name	Expires
Bohdan Bordun	15 February 2018
Olexander Karmash	2 May 2018
Maksym Kitsera	30 May 2018

3. Chapter activities:

1. We have organized lectures about professional self-development for students. Our presentations included the lectures: "How to write a CV"; "Professional Power Point presentation"; "Establishing yourself as a professional in science in digital era: Google Scholar, ORCID, ResearchGate". This was done within a course of PhD and MS education of Lviv National Medical University and was highly attended event (totally ~ 90 visitors).
2. We perform out of class education for pupils of Lviv schools (2 events, ~40 participants). We had some basic optical presentations of microscopy, light diffraction, fluorescence, etc. Besides, we demonstrated how to make simple

diffraction spectrometer from DVD gratings. Besides, we started to create a simple Arduino colorimeter, and involved young pupils of Lviv School 28 into the process. Both mentioned activities were described and approved in our funding request.

3. During reporting period there were 4 Chapter meetings, additional meetings were arranged during preparation of events.
4. Chapter member Ivan Bordun was participating in the meeting of Ukrainian SPIE Chapters dedicated to the 10th anniversary of Kharkiv SPIE student Chapter. This was in frames of the VIII International Conference for Professionals and Young Scientists "Low Temperature Physics" - ICPYS LTP 2017 organized Kharkiv, Ukraine, during May 29 - June 2, 2017 (this is one of the reasons for the delay of report, the photos will be provided later on our website).

4. Planned activities:

1. We plan to perform a set of presentations related to DIY Spectrometer with the aim to demonstrate the school student the beauty of light and the ease of dealing with it.
2. We plan to perform lectures devoted to self-realisation of students, namely about improvement of their CV, resume, creating digital profiles in Google Academy, Research Gate, etc; as well as improving their presentation skills..

5. Financial information (for year 2015-2016):

Beginning balance - \$0.

Funds obtained from SPIE - \$500.

Funds expended: \$500

Details:

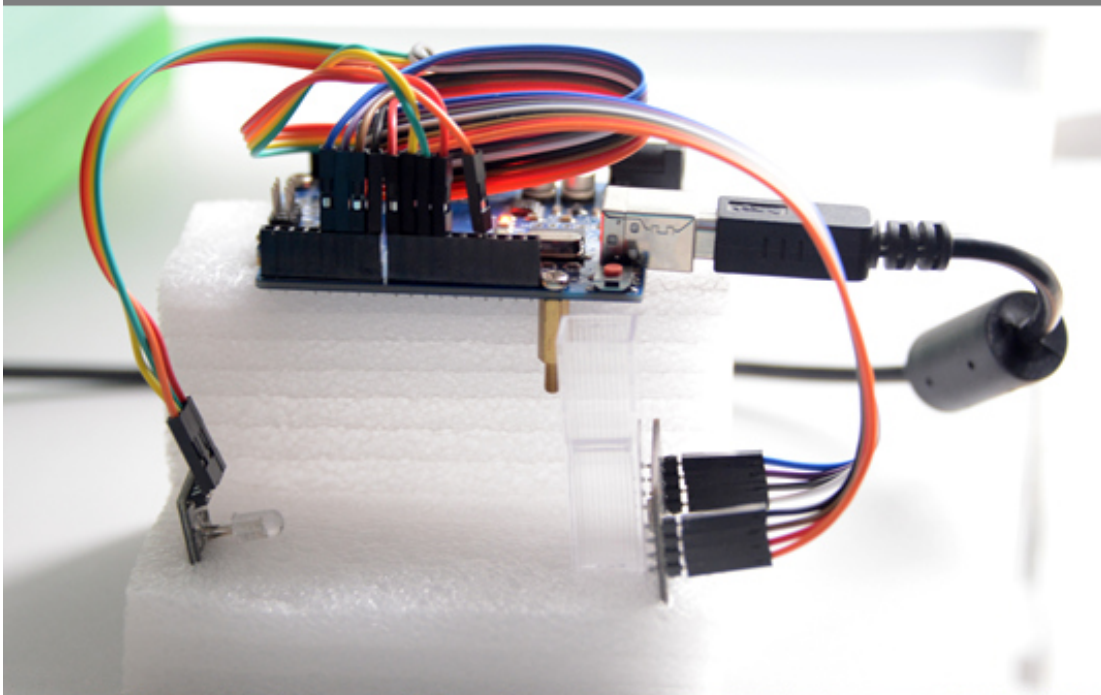
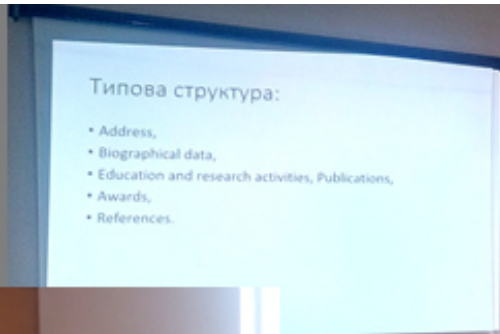
	\$
Material for building Arduino-based colorimeter	272
Presentations and demonstration materials, snacks	130
Transportations	60
Bank expenses and office supplies	38
Total	500

Other sources: none

Non-monetary support: office space, bills and maintenance by University

Ending balance - \$0.

Lecture at Lviv National Medical University devoted to creation of CV



Early prototype of Arduino/LED-based colorimeter

Even a simple connection of cable can make children very happy seeing that "it works".

