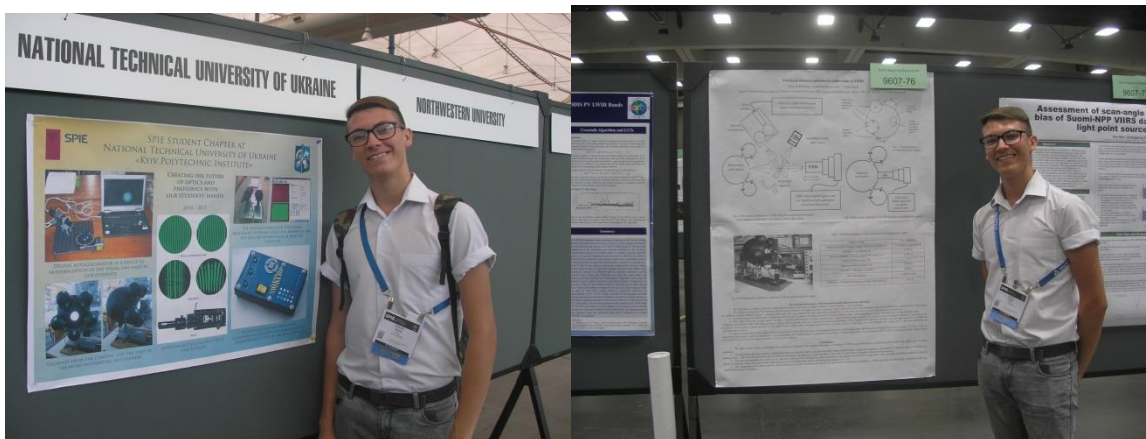


**NATIONAL TECHNICAL UNIVERSITY OF UKRAINE  
“KYIV POLYTECHNIC INSTITUTE”  
SPIE STUDENT CHAPTER REPORT  
(April 2015 – April 2016)  
ooep.kpi.ua**

Our chapter is a great chance for students to develop their potential in different activities in optics, photonics, electronics etc. We create favorable conditions for their self-realization. Our members make devices with their own hands, participate in many exhibitions and conferences, prepare interesting reports and get opportunity to listen to foreign lecturers which are often guests at our chapter.

**The list of main activities:**

1. In August, 9 – 13, 2015 one of our students visited “SPIE optics and photonics” conference in California, San Diego by. He had two reports about our chapter’s life and the integrating multisphere invented in our department.



Our student representing NTUU chapter

2. In September 14 – 18 2015 our delegation visited SPIE conference “Correlation Optics 2015” held by Chernivtsi National University. Many reports on different topics and poster sessions were shared by speakers from different countries all over the world including our representatives. We have a good contacts with many SPIE chapter officers.



Our delegation in front of Chernivtsi National University

3. September, 24 2015. Students of our chapter visited an exhibition “Military and security-2016”. There were demonstrated many optical instruments. There were a lot of discussions with Ukrainian optical engineers. US companies demonstrated robots with multiple cameras. It was very interesting. .



Our delegation at exhibition “Military and security-2016”

4. October 11 2015. Students from our chapter visited the trade show devoted consumables electronics of Ukraine - CEE. We tested many modern digital cameras from compact to professional ones. Demonstration of the optical stabilization of images was very interesting.



Our delegation at CEE exhibition

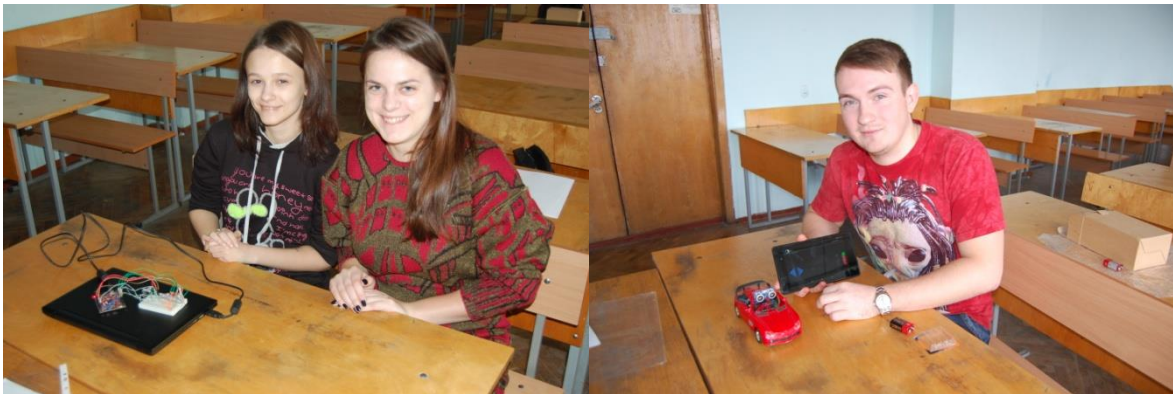


5. October 22 2015. Our chapter participated in conference “Smart materials, optics and photonics - 2016” supported by SPIE. Oleksandr Malenko presented the working prototype of Ronchi interferometer. We have friendly discussions with all Ukrainian SPIE chapters.



Ronchi interferometer made by Oleksandr Malenko

6. December, 25 2015. A competition provided by our department in designing microcontrollers was a good possibility for our students to demonstrate their personal projects completed by their own hands. Skills to implement different kinds and combinations of sensors, indicators and chips were successfully demonstrated.



Our students with their projects

7. November, 20, 2015. Our department was visited by Thomas Preselin – our partner from Le Mans University with a presentation connected with his research in acoustics and optoacoustics and shared his experience. After a presentation students from our chapter showed a hand-made Ronka interferometer, a computer program for it's control to our guest and discussed advantages of future cooperation with him.



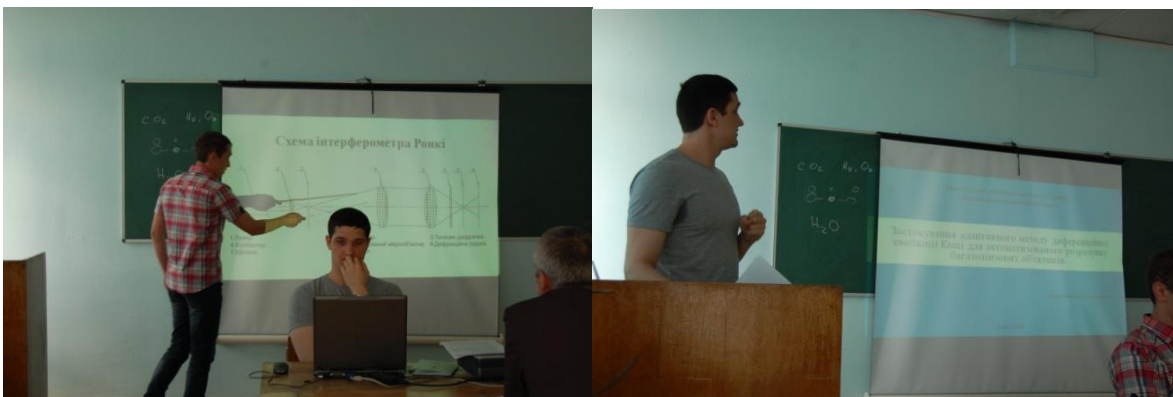
Thomas Preselin at our chapter

8. April 4, 2016 our partner from Le Mans University Vasily Temnov came to our department with a visit and a short lecture course. During the week our students could attend this course of Le Mans latest researches in nanophotonics at our department. We discussed promises and challenges of cooperation and shared our experience.



Vasily Temnov at our chapter

9. April 15, 2016 National Technical University of Ukraine “Kyiv Polytechnic Institute” held annual international conference “Instrument making: State and Prospects”. Within the conference students from our chapter represented speeches about SPIE, research in optics and photonics.



Our students representing their speeches

## **SPIE Officials:**

**President:** Oleksii Hudz  
**Vice-president :** Dmitry Averin  
**Secretary:** Aleksander Malenko

**Advisor:** Prof. Volodymyr Borovytsky

**Now there are 11 students listed in our SPIE Student Chapter.**

<b>Name:</b>	<b>Expires:</b>
Dmytro Averin	13 December 2016
Vitalik Bortnik	2 June 2016
Olexii Hudz	12 March 2017
Aleksander Malenko	4 March 2017
Rodion Novikov	13 December 2016
Mykola Rakh	13 December 2016
Irina Rudenko	12 December 2016
Petro Shegedin	13 December 2016
Max Ushakov	21 March 2017
Mykhailo Veresenko	13 December 2016
Oleksii Volkov	13 December 2016

## **Financial balance:**

**The april, 30, 2015 – 500 \$**

**Received SPIE grant in December, 2015 – 500 \$**

**Spending – 500 \$** - Visit to SPIE conference “Correlation Optics-2015” – tickets “Kiyv-Chernivtsy-Kyiv”, conference fee, student residence, dinner for 4 SPIE members x 4 days.

**Residual – 500 \$**

May, 27, 2016

Oleksii Hudz