Annual report

2011/2012
Elected officers

President
Paweł Runowski
runek00@gmail.com

Vice-president
Radosław Gierwiało
radoslaw@gierwiało.com

Secretary
Jan Szczepanek
jaszczepanek@gmail.com
Activities

20-25 August 2011
SPIE Optics+Photonics Conference in San Diego

In August we participated in SPIE Optics+Photonics Conference in San Diego. It’s always a great opportunity to meet members of other SPIE chapters and learn from each other by exchanging experience. Another important part of the conference are the presentations given by the most successful scientists and showing some of our own work on poster session.
Our representatives this year were Adam Sobuń (former president) and Michał Laskownicki (former vice-president).

19 September 2011
Festival of Science

Festival of Science is an annual event that exists mostly to promote science for youth and children.
This time our exhibition was divided in three parts. First one was about diffraction and interference, where we presented some DOE elements. Second part was Hit the Target game with lasers and mirrors. Last part included little gadgets that we made, which presented color mixing, reflection and refraction or fiber optics. We had many satisfied visitors and hope to be visited by even more next year.
12 October 2011
Fair of Scientific Chapters and Student Organizations “KONIK”

This event is organized in October, to promote Student Organizations. Our goal there was to invite other students to cooperation with our chapter (we probably managed to do that, because our mailing list was significantly extended that day). We presented our most impressive projects, like Multitouch Screen and holograms as well as the minor ones (Infinity Mirror, color mixing or hair width measurement).

We’re quite popular… …and we get new e-mail addresses all the time.
10-11 March 2012, 26 April 2012
Open-door Day and Technical Universities for Girls

These events are organized each year and are devoted to promotion of Warsaw University of Technology among candidates for students. We take part in all of them and try to make the best impression possible to encourage people to study at our faculty.

Effects of IR camera.

A short presentation about our chapter.

Our president did his best to entertain our future students. Was it enough?
12 May 2012
16th Science Picnic of Polish Radio and the Copernicus Science Centre

Science Picnic is the biggest event of that kind in Europe. It takes place every year in Warsaw and is organized by Polish Radio and Copernicus Science Centre. It promotes all sorts of science in ways accessible to visitors of all ages. Our chapter never wastes an opportunity to promote science, so we were there as well. Unfortunately, some of our gadgets were out of order at the time, but we still managed to make our tent quite popular among the visitors.

Polarizers are simply fascinating.

Everything that glows is unsurprisingly popular.

A whole family came here to learn.
17-20 May 2012
OPTO Meeting For Young Researchers and 7th International SPIE Student’s Chapter Meeting Gliwice 2012

OPTO Meeting is an event for all SPIE Student Chapters from Poland and central Europe and this year it took place in Gliwice. Many of our members together with Erasmus Mundus students from our faculty attended that conference. Three of our members were active participants of the conference:

- Michał Dudek with presentation “Tomographic studies of polymer microtis”
- Weronika Zaperty and Aneta Michalska with posters on the poster session

Apart from the scientific part, SPIE Student Chapters had short presentations about their activities for a previous year. The conference is also a great opportunity to visit a new place (we had a trip to a coal mine and Gliwice Radio Tower) and make new friends.

Weronika with her poster.

A short break between the lectures.

World War II began here.
Projects

Finished this year

Workshop on C++ programming for beginners (by Radosław Gierwiało)

In progress

POV (Persistence Of Vision) Display – a device that can use just a few diodes to imitate a whole display. Additionally the part, where diodes are mounted is barely visible, so it looks like an image appears in the air.

Pyramid Display – a device, that imitates 3D effect by simply reflecting different images from different walls.

List of WUT SPIE Student Chapter Members

1. Radosław Gierwiało
2. Tomasz Kozłowski
3. Weronika Zaperty
4. Jan Szczepanek
5. Paweł Kamiński
6. Michał Laskownicki
7. Adam Sobuń
8. Karol Stępień
9. Sławomir Wójcik
10. Michał Starczak
11. Bartłomiej Siwicki
12. Wojciech Krauze
13. Rafał Nowicki
14. Paweł Runowski
15. Amin Al-Tabich
16. Justice Archer
17. Bartosz Bilski
18. Grzegorz Finke
19. Jakub Krzesłowski
20. Dariusz Łukaszewski
21. Grzegorz Mączkowski
22. Anna Pakuła
23. Michal Wengierow
24. Maciej Wielgus
25. Michał Dudek
# Financial Report

## Funds obtained:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beginning balance</td>
<td>650 $</td>
</tr>
<tr>
<td>Support from WUT Committee of Scientific Organizations for OPTO Meeting</td>
<td>340 $</td>
</tr>
<tr>
<td>SPIE Officer Travel Grant</td>
<td>1400 $</td>
</tr>
<tr>
<td><strong>Sum</strong></td>
<td><strong>2390 $</strong></td>
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</tbody>
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## Funds expended:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPTO Meeting</td>
<td>317 $</td>
</tr>
<tr>
<td>Pyramid Display prototype</td>
<td>18 $</td>
</tr>
<tr>
<td>SPIE Optics+Photonics, San Diego conference (2 officers)</td>
<td>1400 $</td>
</tr>
<tr>
<td><strong>Sum</strong></td>
<td><strong>1735 $</strong></td>
</tr>
</tbody>
</table>

Ending balance: 655 $