Wroclaw University of Technology SPIE Student Chapter
2014 annual report

I. Officers elected in early November 2014:

<table>
<thead>
<tr>
<th>Function</th>
<th>Name</th>
<th>SPIE ID</th>
<th>e-mail address</th>
</tr>
</thead>
<tbody>
<tr>
<td>President</td>
<td>Mateusz Szatkowski</td>
<td>3507842</td>
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<tr>
<td>Vice-President</td>
<td>Anna Żelazo</td>
<td>3570487</td>
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<td>Secretary</td>
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<td>3380405</td>
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<tr>
<td>Treasurer</td>
<td>Łukasz Gołacki</td>
<td>3508278</td>
<td><a href="mailto:l.w.golacki@gmail.com">l.w.golacki@gmail.com</a></td>
</tr>
</tbody>
</table>

Advisor of our Chapter is prof. Waclaw Urbanczyk (waclaw.urbanczyk@pwr.edu.pl)

II. List of Student Chapter members

Member Roster:
1. Katarzyna Burchart
2. Wojciech Dawidowski
3. Maciej Geniusz
4. Łukasz Golacki
5. Agnieszka Juszczyk
6. Wojciech Kijaszek
7. Piotr Kowalski
8. Weronika Lamperska
9. Małwina Lewandowska
10. Maciej Napiorkowski
11. Joanna Pucinska
12. Marta Rogowska
13. Przemysław Ryba
14. Wojciech Sroka
15. Mateusz Szatkowski
16. Marcin Szczurowski
17. Marek Szklarz
18. Marta Szmigiel
19. Alicja Wizert
20. Adrian Zakrzewski
21. Marzena Zdunek
22. Anna Żelazo
Alumni Roster:
1. Marek Napierala
2. Agnieszka Józwik

Total members (state for the 27th November): 24

III. Details of Chapter Activities

1. Optics+Photonics 2014

SPIE Student Leadership Workshops in San Diego was held on 16 August 2014. The Chapters Representatives have the opportunity to improve the group management skills. The Optics+Photonics conference which is the more important conference organized by SPIE was started after the Workshops. Our Chapter Representative participated in Workshops and Conference. The Workshops were a great opportunity do exchange experiences with other Chapter Representatives from whole world. Every Chapter was obliged to present a activities in the poster form. The poster session confirmed that activities of Poland Chapters is really impressive.

2. SPIE Student Chapter 10 year anniversary

The Wroclaw University of Technology SPIE Student Chapter was celebrated 10 year anniversary on the April. Thanks to SPIE funding the social meeting was organized to celebrate this Day. The Actual and the Alumni Members of Chapter were introduced. It was the great time to reflects about the Chapter history. The future activities were presented.

3. Day of Photonics 2014

The Photonics Day is celebrated at 21 October of every year. The Chapter Members organized a lecture combined with experiments. The participants have a chance to get information about photonics in telecommunications, entertainment and about many other aspects of this science branch. The experiments were carried out after the lecture. They were introduced
in diffraction phenomenon and were able to check what is a difference between white and monochromatic light diffraction. Used three different wavelengths participants calculate the grating constant based on compact disc. The main goal of this activity was make participants aware of the importance of photonics and optics in everyday life. The activity was organized in cooperation with European Photonics Industry Consortium.

4. XVII Lower Silesian Science Festival

XVII Lower Silesian Science Festival were organized at 19-24 September. Four lectures and three workshops were performed during the festival. Each lecture was prepared for a different age of participants. Hence, the audience was children from kindergarten, primary school, high school and adults. The kindergarten children were introduced into the world of light and magnetism phenomena. For primary school children were prepared a lecture about optics and photonics. The high school children and adults have the opportunity to get know about spatial vision, eye construction and methods of eye defects correction.

5. Student Activity Days

The Chapter members participated in Student Activity Days during which the scientific association affiliated on Wroclaw University of Technology are presented and recruit a new members. The members of our Chapter presented a optics and photonics experiments. “What do you know about optics” contest with 40 participants was organized. The laser pointers as a award were provided for each participant who confirmed knowledge of optics and photonics.

6. Laser Khet Contest

The Laser Khet contest was organized by SPIE and OSA Student Chapters for the third time. Laser Khet it is an extraordinary type of chess game in which the main role is played by laser. The game requires logical thinking and knowledge of basic principles of optics. It is necessary to predict how the light will be propagate. In contest 18 people was participated. The winner obtain a brand new set of the Laser Khet game.
7. **Scientific demonstrations in kindergarten and primary schools**

The Chapter members conducted the workshops about basic principles of optics. The participants have the great opportunity to get know how the image is created on retina of human eye. They were introduced in refractive defects and about correction methods. The participants have occasion to make a questions about workshops and studies on Wroclaw University of Technology.

8. **Student Activities Forum**

Student Activity Forum on which scientific associations affiliated on Wroclaw University of Technology are presented is organized each year. It is also a great time to create a cooperation with others organizations and to participate in interesting trainings. This Event was represented by our Chapter member who won the first award for speech about associations activities. Taking into consideration that 50 organization representatives preformed it is a great distinction and a huge inspiration for further actions in to the name of optics and photonics popularization.

9. **OPTO-Meeting for Young Researchers & SPIE Student Chapter Meeting Gdansk 2014**

The conference OPTO-Meeting for Young Researchers & SPIE Student Chapter Meeting was held in the early July in Gdansk. The Wroclaw University of Technology SPIE Student Chapter was co-organizer. Our 9 members attended in this conference and they presented a Chapter activities on poster and oral session. The awards for the best poster and oral presentations have been granted to our 2 members. The participants in free time have a great occasion to visit a beautiful city Gdansk.

The next edition of this conference will be held in Wroclaw University of Technology where the history of this conference was began in 2005.
IV. Details of planned activities for the future

1. Laser Khet 2.0 Tournament 4th edition
2. Laser Labirynth - laser obstacle course
3. Outreach activity - scientific demonstrations in schools
4. Pizza Party - excellent way to integrate all of our members
5. 10th OptoMeeting for Young Researchers - conference organization

V. Financial information

Beginning balance: $0 (December 2013)

Funds raised:
+ $900 (Chapter Activity Grant)
+ $200 (Chapter 10 year anniversary)

Funding incl. bank fees and currency exchange:
+ $855
+ $155

 = $1010

Funds expended:
- $400 OPTO-Meeting for Young Researchers & SPIE Student Chapter Meeting Gdańsk 2014 (conference fee, travel costs, posters printings)
- $120 Laser Khet contest (awards and food)
- $95 Student Activity Days (gadgets and awards)
- $80 XVII Lower Silesian Science Festival (gadgets and awards)
- $60 Scientific demonstrations in kindergarten and primary schools (gadgets)
- $100 Student Activities Forum (fee and travel costs)
- $155 SPIE Student Chapter 10 year anniversary party (food and drinks)

 = - $1010

Ending balance:
$1010 - $1010 = $0

Details of SPIE funding received:
Officer Travel Grant
Chapter Activity Grant
Chapter 10 year anniversary

Other sources:
None