Executive Summary:

The GWU SPIE student chapter was established in 2016. It will run with the students from SPIE and OSA, basically, optics students.

The purpose of the GWU chapter is to provide the students an opportunity to communicate and discuss their research topics in optics. Most of the chapter students are from researching labs in George Washington University. Moreover, an opportunity for the further cooperation, professional development.

This year, our chapter 2016 - 2019 management team graduated. They are busying with their thesis defending. The new management team just take place at end of 2019. We held 2 discussion seminars and an invited talk, the speaker is from UT Austin, one of our friend professors.

In 2020, the SPIE chapter will return to the regular operation. We are going to expand our chapter to 5 times larger with other groups who is researching on optics but not in SPIE or OSA before.

Contact Information:
For general questions about our chapter, please email our chapter president, Zibo Hu, at huzibo@gwu.edu. Website: http://www.photontalk.com
Our advisor is Prof. Volker Sorger, at sorger@gwu.edu.

2019 -2020 Officer Listing:

Zibo Hu
Interim President
2nd Year PhD Student
huzibo@gwu.edu
He/his/his

2019 – 2020 Officer Listing:

The 2020 election will be held in January when the school begins.

Student and Community Membership

At the time of this report, there are 17 student members affiliated to the Sample Univ. Chapter and there are currently about 50 students involved in the Sample Univ. Optics Alliance.

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
<th>Expected Grad Month/Year</th>
<th>SPIE Membership Expiration Date</th>
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<tbody>
<tr>
<td>Zibo Hu</td>
<td><a href="mailto:huzibo@gwu.edu">huzibo@gwu.edu</a></td>
<td>May 2023</td>
<td>-</td>
</tr>
<tr>
<td>Chandraman Patil</td>
<td><a href="mailto:chandramanpatil@gwu.edu">chandramanpatil@gwu.edu</a></td>
<td>May 2024</td>
<td></td>
</tr>
<tr>
<td>Jiawei Meng</td>
<td><a href="mailto:mengi@gwu.edu">mengi@gwu.edu</a></td>
<td>May 2024</td>
<td></td>
</tr>
<tr>
<td>Xiaoxuan Ma</td>
<td><a href="mailto:Xxma94@gwu.edu">Xxma94@gwu.edu</a></td>
<td>May 2024</td>
<td></td>
</tr>
<tr>
<td>Hao Wang</td>
<td><a href="mailto:Hwang40@gwu.edu">Hwang40@gwu.edu</a></td>
<td>May 2023</td>
<td></td>
</tr>
<tr>
<td>Rubab Amin</td>
<td><a href="mailto:rubabmn@Gwu.edu">rubabmn@Gwu.edu</a></td>
<td>May 2020</td>
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<tr>
<td>Haoyan Kang</td>
<td></td>
<td>May 2025</td>
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<tr>
<td>Chen Shen</td>
<td><a href="mailto:imchucklate@gwu.edu">imchucklate@gwu.edu</a></td>
<td>May 2025</td>
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</table>

Activities Report

**Invited Speaker**
Organizer: Zibo Hu, President
Speaker: Dr. David Z. Pan, Engineering Foundation Professor from University of Texas at Austin
Date/Time/Location: Dec 4, 2019. 3:00 pm at SEH 4845
Participants: 15 students (They were mostly graduates and PhD.)
Cost: $0 (we did not have fund from SPIE)
This speaker is a friend of ours. Our advisor has joint project with him. Prof. David Pan shared his progress in AI and intelligent IC Design. It is helpful for some of our projects. Students learned a lot from this lecture.

**Discussion Seminar**  
**Organizer:** Zibo Hu, President  
**Speaker:** All the students in optics field  
**Date/Time/Location:** Nov 15, 2019. 12:00 pm at SEH 5550  
**Participants:** 13 students (They were mostly graduates and PhD.)  
**Cost:** $0 (we did not have fund from SPIE)

We have discussed our recent projects and potential research direction. It is helpful for our research. We had pizza and cokes.
**Discussion Seminar**
Organizer: Zibo Hu, President  
Speaker: All the students in optics field  
Date/Time/Location: Dec 18, 2019. 5:00 pm  
Participants: 13 students (They were mostly graduates and PhD.)  
Cost: $0 (we did not have fund from SPIE)

We had a bowling game before the charismas

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**Treasurer’s Report**

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
<th>Notes</th>
<th>Credit (Income)</th>
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<tr>
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We did not have fund in 2019 for the management transferring.

In 2020, we plan to spend $800 for activities. $300 for the souvenirs to recruit new members, $500 for the activities. Usually, we will spend $70 per seminar for the pizzas and beverages. We are going to have at least 6 seminars, discussion sessions and invited speaker lectures.

If we could have more fund, we will have a stronger chapter.

(The new management election will be held at end of January 2020)

*Anticipated funding amounts based on chapter budget and last year’s costs/incomes.

**Conclusions and Recommendations**

In 2019, we did not do well in the management transfer as the past management graduated. Maybe in the next period, we need to keep our Vice President as the successor president in order to keep the management fluently.