2019 SPIE Student Chapter Annual Report

Prepared by:
Jing Yu
President
**Executive Summary:**
The Shenzhen university Chapter was established in 25 August 2006. The purpose of the Shenzhen university Chapter is to support optics students by providing valuable academic resources, facilitating career development through networking opportunities, and representing the study of light to the public.

This year, our chapter organized attended 7th Liyan Forum on Optics and Mechnical and China International optoelectronic exposition. From these meetings, we visited the new products of many enterprises and learned about the industrial development direction of the optical industry, which provided reference for the future career development planning of our members. In addition, we also invited some enterprises to visit the activities of our club, to conduct exchange and discussion activities together, and to provide some internship or employment opportunities for our members.

One of the biggest challenges that our chapter faced this year has been succession planning. Many of the 2018 - 2019 officers graduated in May 2019. We have worked hard to ensure that the new 2019 - 2020 officers range in level of study so that future officers will have better continuity of leadership training.

**Contact Information:**
For general questions about our chapter, please email our chapter advisor, Xiang Peng, at xpeng@szu.edu.cn. Blog: https://spie.org/membership/student-services/student-chapters/student-chapter?chapter_id=1022474

**2018 - 2019 Officer Listing:**

Xiang Peng
Advisor
Professor
xpeng@szu.edu.cn
He received the B.S., M.S., and Ph.D. degrees from Tianjin University in 1981, 1984, and 1989, respectively, all in optical engineering. From 1990 to 1992, he worked with the Institute of Applied Optics, University of Stuttgart, as an Alexander von Humboldt Fellow. He was with Tianjin University as an Assistant Professor in 1984, an Associate Professor in 1996, and a Full Professor in 1998. He has been a Full Professor with Shenzhen University since 2003. His current research interests include optical imaging, optical metrology, and optical security. He has authored and co-authored over 100 referred journal papers and holds over 20 patents.
Jing Yu  
President  
3rd Year Master’s Student  
975912452@qq.com  
Her research interests include 3d reconstruction of structural light and machine vision.

Jiawei Chen  
Vice President  
3rd Year Master’s Student  
734299087@qq.com  
His research interests include scatterer imaging and light field imaging.

Huang Huang  
Secretary  
3rd Year Master’s Student  
296794687@qq.com  
His research interests include holography and deep learning.
Li Yang  
Treasurer  
3rd Year Master’s Student  
758620184 @qq.com  
His research interests include 3d reconstruction of structural light and deep learning

2019 – 2020 Officer Listing:

Xiang Peng  
Advisor  
Professor  
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He received the B.S., M.S., and Ph.D. degrees from Tianjin University in 1981, 1984, and 1989, respectively, all in optical engineering. From 1990 to 1992, he worked with the Institute of Applied Optics, University of Stuttgart, as an Alexander von Humboldt Fellow. He was with Tianjin University as an Assistant Professor in 1984, an Associate Professor in 1996, and a Full Professor in 1998. He has been a Full Professor with Shenzhen University since 2003. His current research interests include optical imaging, optical metrology, and optical security. He has authored and co-authored over 100 referred journal papers and holds over 20 patents.
Yang Yang
President
1st Year Doctor’s Student
278820276@qq.com
His research interests include 3d reconstruction of structural light and light field imaging.

Yingsi Lin
Vice President
2nd Year Master’s Student
1065512513@qq.com
Her research interests include 3d reconstruction of structural light and light field imaging.

Zhentong Zheng
Secretary
2nd Year Master’s Student
734509477@qq.com
His research focuses on projecting and reflecting structural light into three-dimensional images of objects.

Qiuzhan Chen
Treasurer
His research is focused on three-dimensional reconstruction of the structural light of the spine.

**Student and Community Membership**

At the time of this report, there are 30 student members affiliated to the Shenzhen university Chapter.

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
<th>Expected Grad Month/Year</th>
<th>SPIE Membership Expiration Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jiawei Chen</td>
<td><a href="mailto:734299087@qq.com">734299087@qq.com</a></td>
<td>June 2020</td>
<td>13 January 2020</td>
</tr>
<tr>
<td>Huang Huang</td>
<td><a href="mailto:296794687@qq.com">296794687@qq.com</a></td>
<td>June 2020</td>
<td>13 January 2020</td>
</tr>
<tr>
<td>Lianbin Zhang</td>
<td><a href="mailto:1033072363@qq.com">1033072363@qq.com</a></td>
<td>June 2020</td>
<td>13 January 2020</td>
</tr>
<tr>
<td>Junjie Yang</td>
<td><a href="mailto:272712411@qq.com">272712411@qq.com</a></td>
<td>June 2020</td>
<td>13 January 2020</td>
</tr>
<tr>
<td>Xu Jiang</td>
<td><a href="mailto:1476492283@qq.com">1476492283@qq.com</a></td>
<td>June 2020</td>
<td>13 January 2020</td>
</tr>
<tr>
<td>Jing Yu</td>
<td><a href="mailto:975912452@qq.com">975912452@qq.com</a></td>
<td>June 2020</td>
<td>13 January 2020</td>
</tr>
<tr>
<td>Li Yang</td>
<td><a href="mailto:758620184@qq.com">758620184@qq.com</a></td>
<td>June 2020</td>
<td>13 January 2020</td>
</tr>
<tr>
<td>Zijie Chen</td>
<td><a href="mailto:514163710@qq.com">514163710@qq.com</a></td>
<td>June 2021</td>
<td>24 December 2019</td>
</tr>
<tr>
<td>QiuZhan Chen</td>
<td><a href="mailto:1848387161@qq.com">1848387161@qq.com</a></td>
<td>June 2021</td>
<td>10 January 2020</td>
</tr>
<tr>
<td>Zhihang Cui</td>
<td><a href="mailto:342354993@qq.com">342354993@qq.com</a></td>
<td>June 2021</td>
<td>24 December 2019</td>
</tr>
<tr>
<td>Wei Huang</td>
<td><a href="mailto:852764204@qq.com">852764204@qq.com</a></td>
<td>June 2021</td>
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<tr>
<td>Huanhao Li</td>
<td></td>
<td>June 2021</td>
<td>16 September 2020</td>
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<tr>
<td>Ziqi Li</td>
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<td>June 2021</td>
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</tr>
<tr>
<td>YingSi Lin</td>
<td><a href="mailto:1065512513@qq.com">1065512513@qq.com</a></td>
<td>June 2021</td>
<td>10 January 2020</td>
</tr>
<tr>
<td>Shuixin Pan</td>
<td><a href="mailto:496509833@qq.com">496509833@qq.com</a></td>
<td>June 2021</td>
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<tr>
<td>Jie Wu</td>
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<td>June 2021</td>
<td>3 January 2020</td>
</tr>
<tr>
<td>Qi Xing</td>
<td><a href="mailto:xing.qi@outlook.com">xing.qi@outlook.com</a></td>
<td>June 2021</td>
<td>10 January 2020</td>
</tr>
<tr>
<td>XiaoJie Zhang</td>
<td><a href="mailto:972406543@qq.com">972406543@qq.com</a></td>
<td>June 2021</td>
<td>10 January 2020</td>
</tr>
<tr>
<td>Zhentong Zheng</td>
<td><a href="mailto:734509477@qq.com">734509477@qq.com</a></td>
<td>June 2021</td>
<td>25 December 2019</td>
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<tr>
<td>Yingying Zhou</td>
<td></td>
<td>June 2021</td>
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<tr>
<td>Artem Yakovliev</td>
<td></td>
<td>June 2021</td>
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</tr>
<tr>
<td>Zhizhen Chen</td>
<td><a href="mailto:820024590@qq.com">820024590@qq.com</a></td>
<td>June 2019</td>
<td>13 January 2020</td>
</tr>
<tr>
<td>Bennian Han</td>
<td><a href="mailto:1262015559@qq.com">1262015559@qq.com</a></td>
<td>June 2019</td>
<td>13 January 2020</td>
</tr>
<tr>
<td>Yifan Liao</td>
<td><a href="mailto:294482031@qq.com">294482031@qq.com</a></td>
<td>June 2019</td>
<td>13 January 2020</td>
</tr>
<tr>
<td>Xinyun Liu</td>
<td><a href="mailto:1370022922@qq.com">1370022922@qq.com</a></td>
<td>June 2019</td>
<td>13 January 2020</td>
</tr>
<tr>
<td>Hao Shen</td>
<td><a href="mailto:295507817@qq.com">295507817@qq.com</a></td>
<td>June 2019</td>
<td>13 January 2020</td>
</tr>
<tr>
<td>Yu Wu</td>
<td><a href="mailto:125781962@qq.com">125781962@qq.com</a></td>
<td>June 2019</td>
<td>13 January 2020</td>
</tr>
<tr>
<td>Wenqin Xiong</td>
<td><a href="mailto:1905320718@qq.com">1905320718@qq.com</a></td>
<td>June 2019</td>
<td>13 January 2020</td>
</tr>
<tr>
<td>Lu Zhang</td>
<td><a href="mailto:1578537040@qq.com">1578537040@qq.com</a></td>
<td>June 2019</td>
<td>13 January 2020</td>
</tr>
<tr>
<td>Haishan Liu</td>
<td><a href="mailto:13798268607@163.com">13798268607@163.com</a></td>
<td>June 2022</td>
<td>26 November 2020</td>
</tr>
</tbody>
</table>
Activities Report

7th Liyan Forum on Optics and Mechanical.
Organizer: Shenzhen university,
Date/Location: 8-10 May 2019 at Shenzhen convention and exhibition center
Participants: 20 students (They were mostly graduates )
Cost: $150 (For Transportation and lunch.)

7th Liyan Forum on Optics and Mechanical has been held in Shenzhen from 18/05 to 19/05. 16 members of our chapter have participated and Zhihang Cui showed scientific results about “Three-position mobile phone case measurement system” and Qiuzhan Chen made a report on this. This forum is organized by the college of optoelectronics engineering in Shenzhen University. About 250 students (master and doctor) have been there and 20 students given presentations.

The Team building.
Organizer: Shenzhen university Chapter,
Date/Location: Shenzhen
Participants: 30 students.
Cost: $210 (For Transportation and lunch).

In 2019, we will hold monthly seminars and weekly sports activities. We hold regular seminars with most of our members to review past activities and develop future work plans. We also hold weekly sports activities such as swimming, BBQ, badminton and mountain climbing.
Attending the SPIE Annual Student Chapter Leadership Workshop and SPIE Optics + Photonics 2019 in San Diego.
Organizer: SPIE,
Date/Location: 10-15 August San Diego, CA, USA
Participants: 2 students (They were mostly graduates)
Cost: $0

President and vice President Jing Yu and Jiawei Chen attended the 2019 San Diego SPIE optics and photonics conference. Jing Yu and Jiawei Chen actively participated in the discussion on the forum of leaders of the student workshop. They learned how to be a good leader, what to do and what not to do as a leader, and they made friends from all over the world. Jiawei Chen also contributed a paper at the conference. In addition, Jing Yu and Jiawei Chen show the chapter style through the poster.

Volunteer for China International optoelectronic exposition.
Organizer: Shenzhen university Chapter,
Date/Location: Sept. 5, 2019, Shenzhen convention and exhibition center.
Participants: 13 students (They were mostly graduates and doctor).
Cost: $130 (For Transportation and lunch).

On September 5, 2019, 13 members of our sub-club volunteered to come to China international optoelectronics expo to help maintain the order of the conference and exhibition hall. Through this opportunity, we were exposed to more optical knowledge and international cutting-edge academic research, and participated in relevant academic reports.
Invite scientific researchers and company leaders to give lectures.
Organizer: Shenzhen university Chapter,
Date/Location: 29 October 2019 Taoyuan hotel, Shenzhen.
Participants: 30 students (They were mostly graduates and doctor) and 5Professor.
Cost: $300 (Rental and transportation costs, as well as tea breaks)

In the name of the institute of optoelectronic engineering and SPIE, we invited a number of domestic and foreign researchers to give lectures. We also invited a senior leader to give a lecture on job hunting and career planning.

Treasurer’s Report

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
<th>Notes</th>
<th>Credit (Income)</th>
<th>Debit (Expense)</th>
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<td>Previous Year’s Funds</td>
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<td>8/5/2019</td>
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<td>Transportation and lunch</td>
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<td>5/9/2019</td>
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<td>29/10/2019</td>
<td>Invite scientific researchers and company leaders to give lectures</td>
<td>Rental and transportation costs</td>
<td>$300</td>
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*Anticipated funding amounts based on chapter budget and last year’s costs/incomes.

Conclusions and Recommendations

This year, our clubs continue to recruit new members to better communicate with other chapter. We look forward to hosting another inter-chapter exchange meeting next spring and inviting other representatives to attend. Details of planned activities for the future:

1. Continue electing New Orleans for our chapter. We hope the fresh Blood will bring more ideas and benefits to our chapter.
2. Continue holding out seminars and job-hunting experience sharing Workshops which has already been proved to be successful and successful useful.
3. Continue inviting professors and company leaders to give some Section to our members.
4. Continue supporting outdoor and indoor activities for our members. It’s necessary to have funs after scientific research.