



SPIE Student Chapter Report 2018

Annual report

SPIE Student Club
Shanghai Institute of Optics and Fine Mechanics
October 1, 2018

Shanghai Institute of Optics and Fine Mechanics
Chinese Academy of Mechanics

Student club

SPIE ID: 1033324

Content outline

1. Names of elected Officers.
2. List of current Student Chapter Members
3. Detail of Chapter activities since last report(include photos)

Describe exactly how chapter grant funding was spent.

Were these activities described in your funding request?

4. Financial Information formatted in a table.

Beginning balance

Funds raised and expended (indicate amounts and source/destination)

Details of SPIE funding received

Other funding sources (please specify)

Ending balance

5. Details of planned activities for the future

1. Names, email address, and Member numbers of elected Officers

Advisor - Yuxin Leng (lengyuxin@mail.siom.ac.cn)

President - Xinlin Lv (lvxinlin@siom.ac.cn)

Vice President - Tongchao Shi (shitongchao@siom.ac.cn)

Secretary - Yan Yan (695610725@qq.com)

Treasurer - Pengfei Wang (wangpengfei@siom.ac.cn)

2. List of current Student Chapter Members(40)

No.	Name	Gender	Email
1	Linpeng Yu	Male	lpyu@siom.ac.cn
2	Pengfei Wang	Male	wangpengfei@siom.ac.cn
3	Yu Zhao	Male	zhaoyu@siom.ac.cn
4	Shuai Li	Male	lishuai56@siom.ac.cn
5	Chun Li	Female	lichunqingchen@126.com
6	Zhengzheng Liu	Male	liuzhengzheng@siom.ac.cn
7	Hongpeng Su	Male	spamsu@siom.ac.cn
8	Ruirui Zhao	Female	zhaorr@siom.ac.cn
9	Xinlin Lv	Male	lvxinlin@siom.ac.cn
10	Tongchao Shi	Male	shitongchao@siom.ac.cn
11	Yan Yan	Female	695610725@qq.com
12	Wei Wei	Female	1228343158@qq.com
13	Xuan Zhang	Male	Xzhang@siom.ac.cn
14	Wenhui Cui	Male	whcui@siom.ac.cn
15	Shengzhe Ji	Male	szji@siom.ac.cn
16	Luwen Lai	Male	635218808@qq.com
17	Kaipeng Li	Male	likaipeng@siom.ac.cn
18	Peng Li	Male	1152879665@qq.com
19	Xingyan Liu	Male	liuxingyan@siom.ac.cn
20	Beier Zhou	Female	lbeier_zhou@163.com
21	Qiuhan Xie	Female	1029282314@qq.com
22	Zhongpeng Li	Male	lizhongpeng@siom.ac.cn
23	Shouying Xu	Female	1214980807@qq.com

24	Zhiyuan Lou	Male	louzhiyuan@siom.ac.cn
25	Liangze Pan	Male	lzpan@siom.ac.cn
26	Yu Yan	Female	yanyu@siom.ac.cn
27	Jingxin Zhu	Female	zhujingxin1994@163.com
28	Yi Xiao	Male	seanxiao6666@163.com
29	Fangbo Zhang	Male	fbzhang@siom.ac.cn
30	Sida Liang	Male	369616522@qq.com
31	Tianju Zhang	Male	tianjuzhang@siom.ac.cn
32	Danyang Shen	Male	shendy@siom.ac.cn
33	Yifei Chen	Male	yfchen@siom.ac.cn
34	Keyang Liu	Male	liukeyang@siom.ac.cn
35	Yifei Duan	Female	duanyifei@siom.ac.cn
36	Simin Zhang	Female	siminzhang@siom.ac.cn
37	Yuexin Wan	Female	yxwan@siom.ac.cn
38	Junxiu Lin	Female	463394183@qq.com
39	Xiaoqin Wang	Female	xqwang@siom.ac.cn
40	Lei Lin	Male	linlei@siom.ac.cn

3. Details of Chapter activities since last report include photos

1) Recruit new members

In the days of October 2017, we recruited new members by advertising and introducing SPIE Student Club through the WeChat public address and SIOM website.



致上海光机所2017级全体硕博生：

科研学习的生活里，少了休闲娱乐怎么破？
 追光逐梦的路上，没有志同道合的伙伴怎么行？

Nothing to worry about. Come and join us. 快来加入我们上海光机所SPIE学生分会吧。在这里，你将会参加聚餐活动，结识志同道合的伙伴；出去游玩，放松自我，欣赏大好河山；定期收到SPIE旗下的在线学术期刊，为科研充电；甚至还有机会和大牛面对面交流。

Many students joined our student club for the honor of being a membership of SPIE. And they are attractive by the diverse activities and conferences held by SIOM SPIE chapter. This year we also have quite a

few members, which proves that our chapter has a certain effect on operating the club and many students want to join us to get to know the SPIE club and its conferences.

2)Held a dinner party to welcome the new members

We gave the new members of our chapter a cordial welcome by holding a dinner party. During the dinner party, Xinlin Lv was chosen to be the new president of our chapter. And then he gave a lecture to new members for the chapter activities plan. All students showed great interest.



President gave a lecture to new members about activities plan

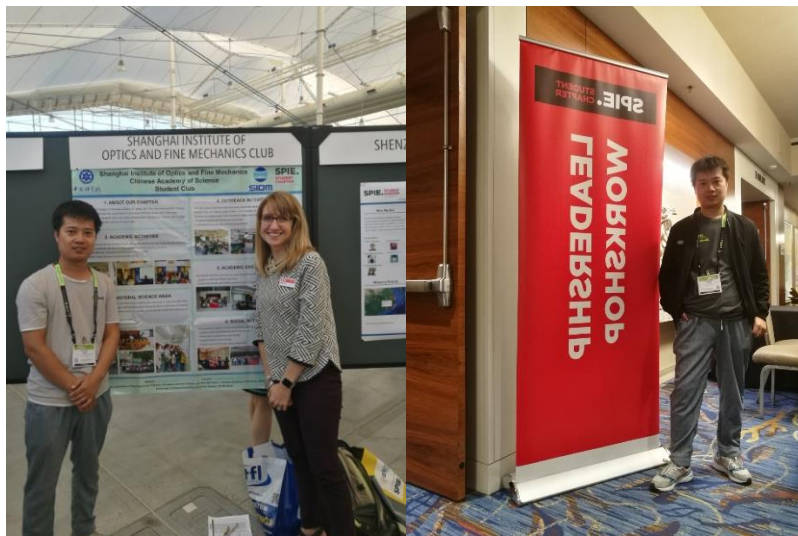


Held a dinner party to welcome the new members

Then the new members were asked to introduce themselves to each other and the old members shared their experience afterwards. Everyone enjoyed their time. During the discussion, they were pleased to provide advice about the future activities planning of the chapter.

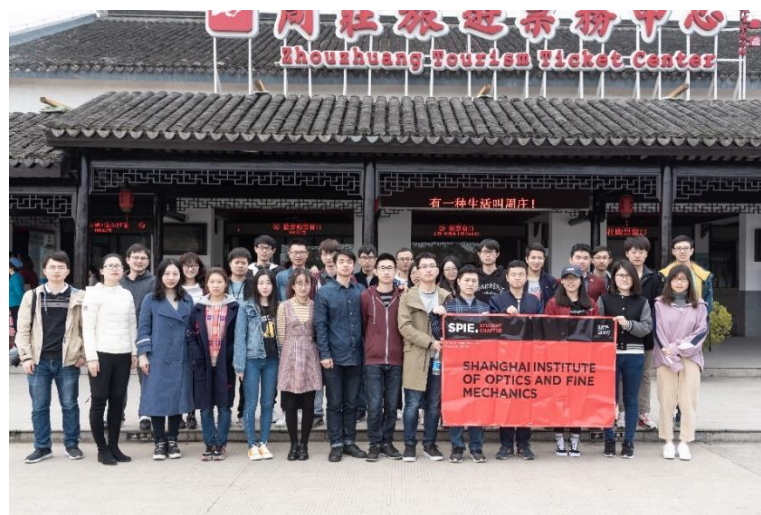
3) Attended the SPIE conference

The last president of our chapter Pengfei Wang attended the SPIE Student Chapter Leadership Workshop and the Optics & Photonics conference 2018 in San Diego, USA. During the conference, he made a student poster presentation and attended strong professional development program. At the same time, He learned how to be a high quality invited speaker. After the conference, he brought us new thoughts and ideas on the management of the chapter from the international conference, shared experience of various interesting optical games in the outreach exhibit, and built new relationships with several other chapters, such as Zhejiang university chapter of China and Jilin university chapter of China.



4) Outdoor activities

In order to build a harmonic and relaxed atmosphere, we took a tour to Zhou Zhuang Town, which is an ancient town in Suzhou Province. All the members of our chapter walked around the town together on foot. We had a good time and knew each other better. Meanwhile, we discussed the development of SPIE Student Club, everyone felt that our chapter is like a big family and loved the group. It is best for the expansion of our chapter.



5) Helped organizing and attended a lecture in our institute

We helped laboratory organizing a lecture named Xihe optical Academic lecture on January 25th, 2018.



The reporter was Prof. Dr. Qihua Xiong from Nanyang Technology University in Singapore. He talked the academic research on Light-Matter Interactions in Polar Semiconductor Materials. Lots of SPIE members attended the lecture, and we felt it interesting and impressive. Then, Dr. Xiong shared his experience on scientific research process and gave us many ideas on our research. Furthermore, Dr. Xiong and our president visited the related laboratories and exchange ideas with some other professors. They all enjoyed themselves and harvested a lot.



6) Long-term volunteers in several primary schools

Our club and another students club in our institute made a long-term deal in promoting science through classroom teaching in General Elementary School in Jiading District of Shanghai. We went to school classroom and laboratory to teach pupils something related optics and science every month, such as the Optical Fiber Communication, How to generate the laser.



The interesting teaching and hands-on labs inspired the interest of students in developing the capacity of reasoning and logical thinking. Furthermore, our volunteers also achieved some new ideas on their research.

7)Volunteers on the 2018 Public Science day

On the third week of May, known as the National Science week, We welcomed primary students and their parents from five nearby elementary schools such as Qinghe Road Elementary School and other junior middle school students and some members of the communities who were interested in science. They were approximately 1000 people. Our volunteers demonstrated a few interesting optical experiments with carefully pre-prepared instruments and equipment, took them around several representative laboratories in our institute like the State Key Laboratory of High Laser Physics, and told them lots of principles about basic physics and optics. All of us showed great enthusiasm and patience. Although some of them may not understand, we hope this kind of activity can help to fire up their curiosity, excitement, creativity, and intelligence in optics.





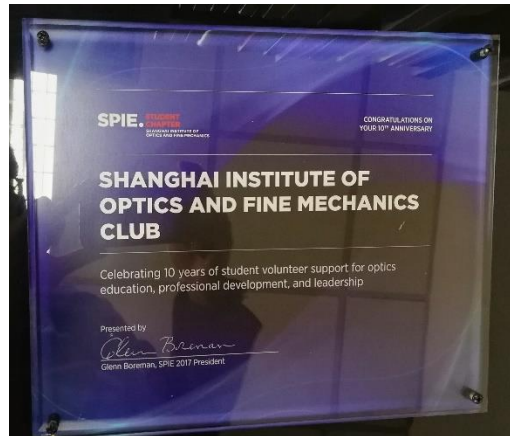
2018 Public Science day

8) 10-Year SIOFM SPIE Chapter Anniversary Celebrity



10-Year SPIE Chapter Anniversary Celebrity of SIOFM

2018 is our Shanghai Institute of Optics and Fine Mechanics SPIE Club 10 years anniversary. To celebrate our active participation in education, professional development, and leadership in optics and photonics over the past 10 years. Our chapter hold a dinner party with old members and then took a picture with SPIE flag in the campus of Shanghai Institute of Optics and Fine Mechanics. Furthermore, we received an anniversary plaque from SPIE, which means we hope to have many more years of working together!



10-Year Anniversary plaque from SPIE

9) Shanghai Technology Festival

2018.5.20 is Shanghai Technology Festival, President Xinlin Lv and Secretary Yan Yan went AnTing, Shanghai to display interesting optics teaching aids such as Ruby laser model and Luminance ball. Many students from elementary school and middle school came to our exhibition booth to observe and hear the explanation of optics teaching aid.



10) Attended SPIE officer conference at Ningbo University

On 2018.3.31, there is a SPIE conference at Ningbo University. Treasurer Penfei Wang went to Ningbo University to share his experience and make friends from other chapters. At the conference, he gave an oral

report about activities of our SIOFM chapter.



11) Organized Student lecture series with OSA

To share experience with SPIE members about skills of job interview and scientific paper publishing, we organized a Student lecture with OSA at May 2018.



Both of our two chapters sent a representative to deliver a brilliant speech. And plenty of students from our institute attended the lecture.



Student lecture series with OSA

12) Optics education in Qinghai province

In Mid-September of 2018, President Xinlin Lv went to Qinghai province to promote optics education for Tibetan in elementary school.



Three Optics chapters from SIOFM organized the activities together. Six volunteers went to Quanji elementary school, which located in Western Part of China: Gangcha County, Haibei Prefecture, Qinghai Province. It's about 4000 meters above sea level, all of the students here

are Tibetans. We bring lots of Optics teaching aids and learning materials to the kids, and taught them interesting knowledge about light.



Optics education for Tibetan in elementary school of Qinghai Province



All of the kid enjoy the fun of learning Optical knowledge, we made friends with them. At the end of the classes, we held a knowledge competition evening. And we prepared fancy prizes for the winner.

13) Public lab tour for community members



In July of 2018, our chapter organized a public lab tour for community members. Many college students and kids from Jiading district came to State Key Laboratory of High Field Laser Physics and Joint Laboratory on High Power Laser and Physics in Shanghai Institute of Optics and Fine Mechanics to visit and learn latest scientific research progress.



4. Financial information

The ending balance since last report: 0.12 RMB

SPIE Activity grant: 1270.00\$(8326.88 RMB)

Beginning balance: 8327 RMB

10-Year SIOFM SPIE Chapter Anniversary Celebrity: 260 RMB

Xihe optical Academic lecture: 340 RMB

Dinner party to welcome the new members: 1781.00 RMB

Recruit new members: 144.5 RMB

Volunteer to supplement optics education for elementary school: 480RMB

Public Science Day: 420.00 RMB

Shanghai Technology Festival: 280 RMB

Public lab tour for community members: 680RMB

Group outdoor activity cost: 2391.00 RMB

Student lecture series with OSA: 730.00 RMB

Optics education in Qinghai province: 820.00 RMB

Ending balance: 0.5 RMB

5. Details of planned activities for the future

- 1) Organize an informal lecture with a popular professor from SIOFM

We will invite a professor from Shanghai Institute of Optics and Fine Mechanics to give us a lecture about laser progress, which can broaden our members' horizons.

- 2) Promote optics to pre-university students

For example: develop workshops, volunteer to supplement science and math education, organize a science fair.

- 3) Hold a dinner party to welcome the new members.

We will hold a dinner party to welcome the new members. And we will elect the new officers at the party. This year we have recruited 40 new members, for the most effective management of the club, we will elect the new management team.

- 4) Complete the coming visiting lecture program.

We plan to invite a highly respected professor to give our chapter a lecture about ultrashort laser at the end of the December.

- 5) Hold academic lectures associated with optics and photonics.

We will invite some famous professors or experts to give us some useful academic lectures, and we also ask advisor Leng to introduce us to visit some optical company.

- 6) Organize a student lecture series or seminar with other chapters like

OSA or other SPIE chapters, for the experience exchange and research

problems discussion.

- 7) Host a public lab tour for community members

To make public have opportunity to know the optics research progress.

- 8) Promote the optics academic program within the university nearby

- 9) Organize a relaxation activity in holidays to promote communication.

Each year we will hold a relaxation outdoor activity. This year we plan to have a tour, such as visiting an ancient town nearby. This activity can promote communication between SPIE members and attract more students to pay close attention to the SPIE club.

- 10) Several internal discussions or workshops in our chapter.

We will have some internal discussions and studies during 2018.

- 11) Hold several fairs and exhibitions in primary school or middle school to show what the light is and how to use it. Let the laser no longer mystery.

- 12) Hold several games about the laser to make our members or other visitors more interested and get along more harmoniously, and to attract more doctors and masters.

- 13) Tour optics industry facilities

We will visit a laboratory or optical factory nearby to broaden our horizons in optics.