University of Science and Technology of China
SPIE Student Chapter

Annual Report of 2018’

- January 2019 –
1 List of Current Chapter Members

Fenghua Ma    Tianhao Dong
Xiaohui Ma    Wentan Fang
Fei Li        Yuwei Fang
Yaning Li     Yanan Shang
Lei Zhao      Gen Li
Ke Yan        ShuJie Li
Yong Wang     Jinghao Wang
Yinmin Zhang  Chang Wu
Shuimei Wu    Changlong Xu
Junna Yao     Guangyu Zhang
Xinhua Jiang

2 Activities in 2018’

2.1 2018 Academic Symposium on Optoelectronic Technology

On Apr. 14th, 2018, the academic symposium on optoelectronic technology was held. The academic symposium was held for two days and 30 reports were presented during the academic symposium. Seven members of our chapter reported the progress of their research. The professors, alumni and students from across anhui province majoring in optoelectronics attended the meeting.
2.2 Science and Technology Week in 2018

In May 2018, the SPIE Student Club held their annual science popularization activity. Our chapter members designed several interesting experiments by using the Optics Outreach Kit given by the SPIE HQ, which attracted pupils a lot. We introduced SPIE to our visitors, and invited them participating in our interesting experiments. What’s more, in order to let more people know about optical knowledge, the books in miniature format, which were compiled by our chapter members, were given to some
visitors as presents. Within 2 days, about 4000 citizens visited our exhibition.

The exhibition was divided into four parts: 3D display technology exhibition and 3D film exhibition, laser projection and display technology, “Fundament of Optics” and Solar energy and LED product display.

2.3 One club member attended Optics+Photonics 2018 in San Diego

In August 2018, Mr Wentan Fang, the secretary of our club, participated the Optics+Photonics 2018 at San Diego, California, United States under
the financial support of SPIE.

Wentan Fang took part in the student leadership workshop, displayed the post of our club in the exhibition and gave a report named as ‘Towards high-capacity quantum communications by combining wavelength and time-division multiplexing technologies’ in the conference.

2.4 Lectures from Prof. Yanjun Liu, Prof. Yefeng Yu and Prof. Lei Zhang

On October 16th, 2018, Prof. Yanjun Liu from Southern University of Science and Technology was invited to give us a lecture named as ‘Liquid
crystal-enabled tunable micro/nanophotonic devices’. After that, Prof. Yefeng Yu from Nanjing University of Science and Technology gave us a lecture named as ‘High-index dielectric antenna for near-unit NA flat lenses’. At last, Prof. Lei Zhang from Xi’an Jiaotong University gave us a lecture named as ‘Polarization-mediated plasmonic responses using subwavelenghth nanostructures’. Most of members of our club attended this activity.

2.6 Visiting the optical company

On October 26th, 2018, the students from our chapter visited Shanghai Superintense Ultrafast Laser Facility(SULF). We expanded our horizon in laser and promoted communication with Shanghai Institute of Optics and Fine Mechanics in the field of optical engineering.
2.7 2018 Academic Forum of Graduate Students

On Nov. 4th, 2018, the academic forum of graduate students was held. Not only the students from our lab, but also students and professors from biology and chemistry attended this forum. The forum was held for one day long and 16 reports were presented during the forum.
2.8 Ten-year Anniversary Party
On Nov. 11th, 2018, the anniversary party was held in a rented daily room. Ruishan Chen, the president of our chapter, told us that our chapter had enlarged its membership, enriched its activities and communicated more and more with other organizations over the past ten years. He suggested us inviting some foreign professors with international influence so that we can broaden our horizons and practise our spoken English as well. Every member of our chapter gave their own advises for our chapter. In addition, we cooked ourselves and played games. One of the members even played guitar so that we song together. We all spent a good night.

2.9 Academic Salon
To make the tenth anniversary more meaningful, our chapter organized an Academic Salon in cooperation with the Student Union on Nov. 15th, 2018. We invited two distinguished professors, Ning Jiang and Lei Gong, to give
talks in cosmic black holes and optical tweezers technology. The reason for choosing optical tweezers technology is that it won the Nobel Prize in Physics at 2018. There were 116 students listening the report.

2.10 Annual Meeting

On Jan. 16th, 2019, the annual meeting of our club was held. Fenghua Ma was elected as the next chapter president and she will be in charge in 2019. The chapter advisor Prof. Hai Ming praised the outstanding members in this year and proposed his wish for the development of club in the new 2019. Every member of our club gave their own advises for our chapter.
2.11 2019 Chapter Officers

President: Fenghua Ma
Vice-President: Jinghao Wang
Secretary: Wentan Fang
Treasurer: Junna Yao

3. Financial Information

1. Beginning balance

$700

2. 2018 Academic Symposium on Optoelectronic Technology

   1) Materials required (Participating card, conference handbooks, pens and so on) $80
   2) Drinks and snacks $30

3. Science and Technology Week in 2018

   1) Experiment devices (Laser shooting model, Solar energy charging experimental devices and table lamps, Marine life showcase by using augmented reality technology and so on) $120
2) Drinks $50

4. Lectures

Drinks $20

5. Visiting the optical company

1) Traffic $160

2) Drinks and food $50

6. 2018 Academic Forum of Graduate Students

1) Materials required(Participating card、printing materials) $50

2) Drinks and snacks $15

7. Ten-year Anniversary Party

1) Rental charges $60

2) Food and drinks $40

8. Academic Salon

Propaganda posters $7

9. Annual Meeting

Drinks and snacks $10

10. Ending balance

$8

4 Future Plan

4.1 Compile a new optical popular science book

(about history, scientist and applications of light)

4.2 Invite foreign professors to give lectures
4.3 Holding an Academic Salon

4.4 Communicate with other student clubs