Zhejiang University Club of SPIE Student Chapter Annual Report August 2016

2016 Chapter Officer

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Roster of Current Student Members

Hongzhi Chen
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Tianrui Deng
Wanrong Ding
chao fei
Xianglian Feng
Fei Gao
Yu Gong
Hongwei He
Wang He
Yuanyuan Hong
Xiaogang Jiang
Li Jingwei
Chen Junfan
Chuan King
Li Laijun
Bucan Lee
Ying Li
Yiming Liang
Hongze Lin
Bin Liu
Qingchong Liu
Wen Liu
Siqi Liu
Yang Lou

Xiaoman Shen
Guangyi Song
Dan Song
Yamin Song
Xianhe Sun
Ying Tan
Jie Tong
Zhihua Tu
Yu Wang
Yizhang Wen
Zhihang Wu
Shengnan Wu
Hao Wu
Peng Yan
Jingyi Yang
Minyue Yang
Zhang Yaohui
Taoce Yin
Shijie Zhan
Dan Zhang
Senlin Zhang
Fangchao Zhou
Jiangfeng Zhu
Guodong Zhu
Zhenfeng Zhu
Chapter Activities since Last Report

1. Outreach Activity

(1) Annual summer program with KTH students

With previous four-years’ success, this year many other departments of the College of Optical Science and Engineering together with our research institute, COER (Centre for Optical and Electromagnetic Research of Zhejiang University) take part in the organization of the event. And this activity also received sponsorship from our college. 9 out of 18 undergraduate students from KTH (Royal Institute of Technology, Sweden) visited our research institute for a three-week program. 9 chapter members, Xiong Yang, Taoce Yin, Zhihang Wu, etc., worked as their training supervisor, helping them throughout the program from principle learning, experimental exercise, problem solving to the final presentation. During the process, every two or three students worked as a team and participated in training programs with various research topics, covering optical network communication, optical spectroscopy, photonic integrated circuits, image recovering, and nanophotonics. With the help of lectures and discussing, they fully understood the ideas and fundamentals of the topics. And by hours of practicing and experiment implementation they achieved the specific goals for the program. After checking their final reports and presentation, we found that they did have a better understanding of the topics and realized our efforts paid off. Besides, we also had a lot of fun playing games and tasting Chinese chafing dishes at the weekend. Chapter members also benefited a lot from the all English communications.

Simon and Elias (third and second from right) with their supervisors
Lab time

Chinese food time
2. Academic Trip

Academic trip to Optics + Photonics 2015

On August 8th, the SPIE Optics + Photonics 2015 week began in a very beautiful seaside city, San Diego. 230 students from SPIE Student Chapters around the world were participating in the 14th Student Chapter Leadership Workshop. With great honor, Xiong Yang was invited to attend the workshop, on behalf of Zhejiang Univ. Club.
At the beginning of workshop, student chapters’ representatives were seated to different tables according to the card they received. This small trick guaranteed that all 7 students at the same table came from totally different countries, which would produce more possibilities for the discussion. Dr. Jean-luc Doumont’s speech about leadership was full of humor and wisdom, making it a treasurable guide for chapter management. The discussion and presentation of the topic of ‘what a good/bad leader should be alike’ was so much fun. After a cozy lunch at the rooftop, the chapter officers were asked to work together to solve problems which may occur in daily chapter running. The workshop gave Xiong a lot of inspiration and perspectives, which would help him working better as the chapter officer.

3. Team Building

Soccer team

This year, our SPIE soccer team won their reputation by an overwhelming performance in the Department Soccer Cup. They went way farther than last year by defeating the opponent with a score of 6:1 in the final. All of this were the result of efforts in building a larger and more united soccer community, in which members could improve their skills in soccer as well as in many other aspects, such as communication, leadership and so on. We learned from our basketball team building that we should have regular matches every week with as many members involved as possible. And it worked well enough since the championship explained.
Basketball team

Team photo after winning the final

One exciting shot
Basketball team’s performance in the department competition was also excellent, which brought us a third-place trophy. This is such a great progress since we had a struggle in the same competition last year, compared to the championship two years ago. What really encourages is the fact that whether they are layman or veteran, more and more members together with non-member students, take part into our
weekly activity. As an effective way to communicate among individuals of various researching backgrounds, basketball helps us prepared for our daily job both physically and mentally.

Besides, some of our members also ride bicycles every one or two weeks. Usually they depart from the main campus, marching for a couple of hours. The destinations are rarely same, typically a camping ground 40 km away or just the West Lake with a 30-minute walking distance from campus gate. Hangzhou is so beautiful a city with both well preserved historical sites and nature that riding seems to be the best way to explore the city effectively and comfortably.

**Planned Activity in the Future**

1. Elect new chapter officers and recruit new members.

2. Organize new exciting activities.
   a) The outreach activities with KTH is a tradition and a cherished chance to share the experience with the Swedish students. The tradition will also be kept in the following years.
   b) It is regretful that the activities with ChangHe High School are not able to be hold as there is a time conflict. This was a pity for many chapter members, especially for those members who attend the activities last year. They think this event is very meaningful. Therefore, we will keep trying to contact with ChangHe High School to resume this event next year.
   c) There are many other SPIE student chapters in China besides us. And we have established the relationship this year. We hope to hold some events with other students’ chapters, such as academic visit, remote meeting, travelling and so on. And we can share the chapter management experience with each other.

3. Team building

Both the soccer team and the basketball team are getting further than the last year. And our chapter will keep on sponsoring them in the future. The sports are always attractive to our young students. The spirit in the competition will always inspire us and exhibit the features of our chapter. Therefore, we will support them to become better in the future.

4. Publicity

Besides the traditional magazine, we are trying other effective ways to promote our chapter. And we tried to combine our publicity with the concept of the environment-protection. We are trying set up our NAS (Network attached storage) and internal
website with the waste computers of our research center. We hope we can exhibit our chapter by not only the website but also the ways we set up the website.

**Financial Information**

1. Beginning balance (The request for funding was delayed and we are now submitting the request)
   
   $\text{-10}

2. Sponsorship: soccer team
   a) Clothes, soccer ball $200
   b) Sport drinks $50
   c) Ground traffic $50

3. Sponsorship: basketball team
   a) Clothes, banner $150
   b) Sport drinks $60

4. Summer outreach activity with KTH students (supported by the college)
   a) Ground traffic $200
   b) Drinks and snacks $100
   c) Farewell dinner $200

5. Ending balance: $\text{-520}

Due to some chapter management issues, we didn’t apply activity grant and travel grant last year. However, with the support of all the members, we still held some activities successfully. And we also got sponsored from other associations and it seems to be good for future activities. In the coming year, we will improve our management of the chapter and be more active to promote the interaction among members, holding more activities, benefiting our members.