Zhejiang University SPIE Student Chapter
Annual Report September 2013

2013 Chapter Officers
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Advisor: Prof. Sailing He

Roster of Current Student Members
Li Cao
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Fei Ding
Yongjiang Dong
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Yali Guo
Kai Hu
Lingchen Huang
Qiangsheng Huang
Sichang Jiang
Li Jin
Qiang Jin
Kanghui Li
Xibin Li
Ying Li
Hongze Lin
Jiao Lin
Hongyan Liu
Jing Liu
Jiamei Lu
Guiying Ma
Mao Mao
Lei Mo
Wei Peng
Yaoran Sun
Jianwei Tang
Dan Wang
Haiping Wang
Jian Wang
Junnan Wang
Kai Wang
Shaowei Wang
Xiaoyan Wang
Yingyu Wang
Jushuai Wu
Yingchen Wu
Peipeng Xu
Chapter Activities since Last Report

1. Outreach Activities
1) Annual Summer Program with KTH students

In the summer, 15 undergraduate student from KTH (Royal Institute of Technology, Sweden) visited the Centre for Optical and Electromagnetic (COER) for a three-week stay. This is the second year of this summer program. During their stay, these students will participate in some theoretical and experimental training programs, whose supervisors are our skilled chapter members. The Swedish students were distributed into several groups with different research topics including lasers, spectroscopy, biophotonics, optical sensing, and integrated photonics. With the basic training and induction, they had a better

KTH students doing experiments

Brief seminar with KTH students
understanding of their future research fields.

2) Annual Youth Outreach Activity with Changhe High School

As one of the best high schools in the city of Hangzhou, Changhe High School founded a class for students with talent but also financial difficulties. To help the young students know better about the leading science and technology in photonics field, we organized a tour including both the academic and industrial aspects in July. This is also the second year of this series activity.

This activity attracted more than 80 young students from Changhe High School. Senior students in our chapter took most of the introduction and demonstration work. We prepared some interesting experiments to make the teenagers easier understand the magical power of light. Encountering the presence of KTH team, the Chinese teenagers also had a warm communication with their Swedish friends.
In the afternoon we arranged for an industrial visit to Fuchunjiang Fiber Communication Park and Juguang Corporation, both of which are fiber communication and optical instruments based enterprises. In these famous companies in optical industrial field, the students had the chance to get a close look to “secrets inside the factory”. The amazing fiber drawing process, integration package process and the environment monitoring equipment impressed the students a lot.

2. Academic Trip

Research always attracts our chapter members. In July, tens of our chapter members had their invitation from Nanjing University for “Nano-Photonics and Its Applications” workshop. The dean of the department was invited to this workshop as well.
In Nanjing, we had a visit to the National Key Laboratory in Nanjing University, which was founded about 30 years ago in 1984. The students from two universities shared their experience in photonics research. After the visit, a seminar was arranged about the interesting research fields in nano photonics by famous professors from several best universities in China. After the seminar, Fei Ding, from our chapter, won the prize of “Best Poster Presentation”.

3. Team Building
Since our chapter founded the SPIE soccer team in 2011, our team has experienced another wonderful year. More freshmen joined our team and it even became a tradition that all team members gather together and play soccer almost every week. This activity provides all the members an easy way to get to know each other quickly rather than some boring self-introduction.
Without doubt is that our team continued our journey in the soccer leagues held both in the department and the university. Lack of luck, finally we won the third place in the department soccer league. It might seem a bit pity that we are not able to defend our championship. However, with more energetic and good skilled members joining in, we will hopefully achieve our triumph again in the coming future.

4. Communications

It is always a wonderful moment to be able to meet friends coming from all over the globe. In August, our chapter had one this precious opportunity. On behalf of the chapter, Kai Hu attended the 12th Student Chapter Leadership Workshop and the following Optics + Photonics Conference held in San Diego, California, USA. During the Student Chapter
Leadership, more than 100 student chapters’ representatives from different universities gather together and had an exciting talk about how to be a good leader. Various kind of communication, including drawing, group discuss and lecturer speech makes the event funny and interesting. As one of the participant in this event, I felt enthusiasm and friendship among all the members and it was quite comfortable and happy to share not only my experience and thoughts, but also the chapter’s information with other individuals, especially these students and experts.

In the following Optics + Photonics Conference, there were lots of interesting events as well. Besides the numerous academic talks and presentations, there are also informative courses and workshops such as “Effective Technical Presentations” and “Resumes to Interviews: Strategies for a Successful Job Search”. In the Exhibition area, I also found many new industrial products which might be very helpful for the research in our institute. That is part of the benefits I had during this trip and I will surely bring all these back to China to my home university.

Lecturer in Student Chapter Leadership Workshop
Planned Activities in the Future

1. Elect new chapter officers and recruit new members.

2. Organize new exciting activities
   a) Dr. Doumont’s visit last year impressed lots of our chapter members. We even held another extra speech in the Department of Optical Engineering. Everyone loves this kind of activity – humorous, relaxed and helpful. In the late of the year, we are preparing to invite another lecturer to give us a talk.

   b) After two years of successful precedents, the outreach activities with KTH and Changhe High School becomes a tradition. No wonder that we will keep this tradition in the following years.

3. Team building
   The soccer team was quite a success and more and more people are joining in. That team even gets the sponsorship of Prof. Sailing He and the Students Committee of COER. With more support, financially and Spiritually, we are going to keep our team running and explore other interesting ways to connect our members together, like board games or table tennis.

4. Publicity
   It is important to let everyone know our chapter and the enormous advantages they would benefit. We are going to develop a better way to introduce ourselves via the website and the magazine, which is published in our research center. We are also considering methods of exposure in the magazine published by the department.
Financial Information

1. Beginning balance
   $-55 + $1195 (The bank charges 7% for transferring money)

2. Sponsor our soccer team
   a) Clothes, socks, soccer ball, etc. $200
   b) Sport drinks $50
   c) Ground traffic $100

3. Summer outreach activity with KTH students
   a) Ground traffic $110
   b) Souvenir $50

4. Outreach activity with Changhe High school teenagers
   a) Ground traffic $200
   b) Lunch at Zhejiang University $160

5. Academic tour to Nanjing
   a) Railway fares $130
   b) Ground traffic $40

6. Administrative expense
   $120

Ending balance:
$-20