SPIE Student Chapter Annual Report

Changchun Institute of Optics, Fine Mechanics and Physics (CIOMP),
Chinese Academy of Sciences

October, 2015

2015 Chapter Officers

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To celebrate the International Year of Light (2015) and respond to the series activities of "WOME IN OPTICS", an experience sharing meeting was held named "Rose in Science" by OSA Student Chapter and us. The experience sharing meeting invited Prof. Bai Yuhong, a senior female member of SPIE in CIOMP, deputy editor of Light: Science&Applications (short as Light) and leading talent of publishing industry in China. She delivered an excellent speech about her experience in scientific research and approaches to problems that female scientists might face in work.

The experience sharing meeting was held at 10:00 a.m. on 27th March in the third boardroom of the R&D Building. All members from CIOMP SPIE Student Chapter CIOMP faculties, students and attended this meeting.

In her speech, Prof. Bai shared her experience about how to balance life and work, how to balance “expert” and “outsider” in researches by telling her progresses made together with Light. Combined with her own experience, Prof. Bai depicted her long-lasting dreams, her efforts for these dreams and her harvests after balancing dreams and efforts, which revealed her life philosophy of realizing the dream she stuck to at the very beginning. She also advised that female researchers and students should have dreams and insist on them with the art of balance. In this way, life would embrace us with the excellence we expected.

After the speech, Prof. Bai had on-site interaction with the audience warmly. She
answered questions from young researchers and students with patience and grace. Comments showed that Prof. Bai’s speech was inspiring and enlightening. Meanwhile, some young researchers voiced their hopes to have more opportunities to communicate with elites like Prof. Bai.

Finally, we offered every lady rose flower as gift.

Accounts:

<table>
<thead>
<tr>
<th>Items</th>
<th>Money amount ($)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Posters</td>
<td>100</td>
<td>The posters were posted in different places in our institute to absorb more audience besides our chapter members</td>
</tr>
<tr>
<td>Gift</td>
<td>30</td>
<td>Rose for every female attendance</td>
</tr>
<tr>
<td>Water</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Display rack</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>160</strong></td>
<td></td>
</tr>
</tbody>
</table>
Time: May 22nd, 2015

Place: Researching Building, meeting room

Activity: Rose in Science II Experience Sharing Meeting

On 22nd May, cooperated with CIOMP OSA Student Chapters and the CIOMP Division of International Cooperation jointly, we held the second meeting of “Rose in Science” activity. The meeting was hosted at CIOMP and was attended by CIOMP faculty, students and all members of the CIOMP SPIE Student Chapter. The meeting was a continuance of series activities celebrating the International Year of Light (2015) and contributing to “WOMEN IN OPTICS” theme form SPIE.

This time, the honored speaker was Prof. Alice Zhang (Haixia Zhang), an outstanding female professor in Micro-Electro-Mechanical System (MEMs) from Peking University, founder of International Contest of Applications in Network of Things (ICAN), chairwoman for international IEEE MEMs conference in 2013. She was invited to deliver an inspiring speech entitled Be a Confident, Happy and Creative girl in PhD.

In her speech, Prof. Zhang introduced her own confident, happy and creative life as one of massive female PhDs with three parts: academic growth, life refinement and
creative practice. Through her own experience, she shared her concept and efforts to be “a girl in PhD should be confident, be happy and be creative” with the audience.

She also shared her own secrets to stay positive and energetic in both work and family life. After her speech, Prof. Zhang had a lively and engaging interaction with the audience. Faculties and students participated the interaction actively and enthusiastically, putting forward questions like “How to insist on ‘moving bricks’ without giving up halfway?”, “How to educate children successfully with the role of a scientific researcher as well as a mother?”, “How to cultivate the ability to stay focus on work or family in this era of information?” and so on. She answered the questions in details with patience and humor, providing inspirations for the audience.

Report website:
http://english.ciomp.cas.cn/SpecialColumn/SpecialColumn/201508/t20150820_151546.html
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<tbody>
<tr>
<td>Posters</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>Gift</td>
<td>30</td>
<td>Rose for every female attendance</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>130</strong></td>
<td></td>
</tr>
</tbody>
</table>

- **Time:** May 17th, 2015
- **Place:** Jilin province science and technology culture center
- **Activity:** Jilin province science and technology culture center visiting

On 17nd May, we organized all members and some pupils from our cooperative primary schools to visit Jilin province science and technology culture center visiting, where China Optical science and technology museum, Jilin province museum, Jilin province science and technology museum are all located in.

We experienced the fun projects, such as sound, light, space technology and understood the optical, aerospace, computer, automobile manufacturing, ecological, and other multi-disciplinary knowledge through the interpretation of personnel. In the activity, people shuttled back and forth in various exhibition halls excitedly and experience the wonder and the charm of science and technology.

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<table>
<thead>
<tr>
<th>Items</th>
<th>Money amount ($)</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>Transportation expenses</td>
<td>150</td>
<td>Take our entire members and pupils shuttle from the destination and our institute.</td>
</tr>
<tr>
<td>Uniform</td>
<td>270</td>
<td>For every member of SPIE</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>420</strong></td>
<td></td>
</tr>
</tbody>
</table>
● Time: May 20th, 2015

Activity: **SPIE student member’s party**

In order to help promote the relationship between the chapter members, we organized a member’s party invited all members to take part in. We offer the transportation expenses, but members paid for their meal themselves. We just offer an opportunity to our members to communicate with each other.

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<tbody>
<tr>
<td>Transportation expenses</td>
<td>80</td>
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Time: July 4th—5th, 2015

Place: CIOPM

Activity: CIOMP Public Open Days

During July 4th—5th, CIOMP hosts the public open day. Our chapter also organized members to participate in arranging exhibitions actively and responded for the foundation optical phenomenon introduction and demonstration.

We demonstrated basic optical phenomenon such as dispersion, Tyndall effect and so on for the public lively and gave the explanation. We also received good reputation from the visiting teenagers and their parents.

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<th>Items</th>
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<th>Remarks</th>
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<tbody>
<tr>
<td>Display element</td>
<td>50</td>
<td></td>
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<tr>
<td>Water</td>
<td>10</td>
<td>For volunteers of our chapter</td>
</tr>
<tr>
<td>Total</td>
<td>60</td>
<td></td>
</tr>
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</table>
On June 30th, 2015, we organized our first seminar report this year. The reporter is Dr. Xin Zhang. The theme of the report is the Optical surface machining and testing technology. Even many chapter members have really different majors, they appreciated the report and acquire their own information.

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<tbody>
<tr>
<td>Posters</td>
<td>100</td>
<td>To advertise our activity</td>
</tr>
</tbody>
</table>
Time:  September 19\textsuperscript{th}, 2015
Place:  Songhua Lake of Jilin
Activity:  CIOMP SPIE Student Chapter Journey

On September 19\textsuperscript{th}, 2015 in order to further promote the relationship between the chapter members, we organized a very interesting and meaningful journey to the Songhua Lake of Jilin. We have gone to Five Tiger Island by boat on a hike, where the scenery is so beautiful and all the members were absorbed. Then we go around the
island to appreciate the nature beauty. We also had our lunch there and talked some interesting items. All members seemed to have a wonderful journey and got to know more about each other, and also have a relax time away from laboratory work.

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<th>Remarks</th>
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<tbody>
<tr>
<td>Transportation expenses</td>
<td>280</td>
<td>Because the lake is in another city, so the expense is higher.</td>
</tr>
<tr>
<td>Water</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>300</td>
<td></td>
</tr>
</tbody>
</table>

The subsequent activites

- **Time:** October 1\(^{\text{th}}\)-30\(^{\text{th}}\), 2015
- **Place:** Graduate Teaching Building & Building of applied optics & Gymnasium& Researching Building
Activity: “The great moment in lab” photographic exhibition

This exhibition is pained by CIOMP OSA and SPIE student chapter together. It’s aimed at show the lab time of us. This activity is in progress now.

- Time: November 4th, 2015
- Place: Graduate Teaching Building, Room 512
- Activity: 2015-2016 Recruitment Starts

- Time: December 15th, 2015
- Activity: 2015 Christmas party

- Time: December 27-30th, 2015
- Activity: Seminar