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

The following student members are new elected officers in August 2018
President: Dong-Chang Li
Email: d10604801@mail.ntust.edu.tw

Vice-President: Hong-Ming Hsu
Email: r8055.619@gmail.com

Secretary: Chieh Kao
Email: zxc40326221@gmail.com

Treasurer: Meng-Hsuan Tsai
Email: tsaimh00101000@gmail.com

2. List of current Student Chapter Members

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
</tr>
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<tbody>
<tr>
<td>Chia Chun Chen</td>
<td><a href="mailto:kch@ntust.edu.tw">kch@ntust.edu.tw</a></td>
</tr>
<tr>
<td>Kao Chieh</td>
<td><a href="mailto:hcm@ntust.edu.tw">hcm@ntust.edu.tw</a></td>
</tr>
<tr>
<td>Hong-Ming Hsu</td>
<td><a href="mailto:mh134@ntust.edu.tw">mh134@ntust.edu.tw</a></td>
</tr>
<tr>
<td>Hsin-Che Lee</td>
<td><a href="mailto:smj@ntust.edu.tw">smj@ntust.edu.tw</a></td>
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<tr>
<td>Dong Chang Li</td>
<td><a href="mailto:chm78@ntust.edu.tw">chm78@ntust.edu.tw</a></td>
</tr>
<tr>
<td>Chin-Min Shieh</td>
<td><a href="mailto:h145@ntust.edu.tw">h145@ntust.edu.tw</a></td>
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<tr>
<td>Meng-Hsuan Tsai</td>
<td><a href="mailto:hst@ntust.edu.tw">hst@ntust.edu.tw</a></td>
</tr>
<tr>
<td>An-Feng Hsu</td>
<td><a href="mailto:afh@ntust.edu.tw">afh@ntust.edu.tw</a></td>
</tr>
<tr>
<td>Yeh-Liu</td>
<td><a href="mailto:kasa123@ntust.edu.tw">kasa123@ntust.edu.tw</a></td>
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3. Describe exactly how chapter grant funding was spent.
Taiwan Tech Chapter didn’t apply the chapter grant funding in 2017 and 2018.

4. Details of Chapter activities since last report.

**Summary of 2018 annual activities of SPIE Taiwan Tech Chapter**
1. Weekly (routine) academic meeting
A 2-hour routine meeting for paper reading and discussion during the past 12 months. Student members shared their ideas from articles reading to other student members. As usual, the student chapter advisor and almost all the student members attended the academic meetings. For each month, we had had at least one official meeting among weekly meetings. There were totally 25 official meetings in 2018.

2. Farewell party for SPIE student members
The members of Taiwan Tech SPIE Student Chapter joined the farewell dinner party on January 20th, 2018. Three of the graduate students in their second years received the master’s degrees. The chapter advisor, Prof. Shien-Kuei Liaw, hosted the dinner and all the students had a good time enjoying the dinner. There were 10 student members who attended including 5 SPIE student members.

The group photo of the chapter advisor and SPIE student members stood in front of the restaurant.

3. Visiting the National Space Organization, Taiwan
The members of Taiwan Tech SPIE Student Chapter joined the visit activity at National Space Organization on 10 May 2018. During this visit, the students got to know how the satellite works in the space and how the satellite sends back the messages that are detected in the space. All the SPIE student members attended this meaningful activities.
The membership finished the visit and took a photo at National Space Organization, Taiwan.

4. **Attendance of Photonics Forum-Distinguished Lecture of International Day of Light**

The forum was hosted by National Taiwan University. Prof. Xi-Cheng Zhang (Director, Institute of Optics, the University of Rochester) was the presenter talking about the history of laser, how laser changes the study of human life and science, and the important idea of researches and applications of terahertz wave light. There were 2 student members who attended the forum.

The promotion material and meeting room at National Taiwan University.

5. **Attendance of OPTO-Taiwan in Nangang Expo, Taipei city**

Several SPIE student members attended the OPTO-Taiwan exhibition held in Taipei
Nangang Exhibition Center in August 2018. This year, OPTO-Taiwan attracted more than 3000 attendees. The students learned a lot of practical knowledge and they were all interested in the development and functions of various optical and photonic products.

The SPIE student members had a discussion with one engineer about the equipment.

6. **Academic visitor Prof. Daping Chu from Cambridge University, UK**

The members of Taiwan Tech SPIE Student Chapter joined the discussion meeting on 14 December 2018. Representing the University of Cambridge, Prof. Daping Chu conducted research discussions and a presentation. It provided an excellent opportunity to exchange ideas between teachers and students for present latest advancements in Photonics and Electronics. There were 10 student members who attended the meeting.

The chapter advisor, Prof. S.K. Liaw, and five of SPIE student members in the laboratory were taken a picture with the presenter, Prof. Daping Chu.
7. Academic visitor Prof. Balaji Srinivasan from Indian Institute of Technology, India

We invited Prof. Blaji Srinivasan, who specializes in the field of fiber-optic sensing from Indian Institutes of Technology, to interact with the fellow members through giving lectures. Prof. Blaji Srinivasan started with brief introduction of the local custom and tradition in India, and talked about the researches, especially concentrated on the part of BOTDA.

8. 2018 The 7th International Conference on Network, Communication and Computing (ICNCC 2018)

In 13-16 December 2018, Prof. Shien-Kuei Liaw (Chapter Advisor) hosted an
international conference, ICNCC, in Taipei. A variety of fellow members around the world came to participate in this annual event. During the event, Prof. Liaw invited some overseas Professors visit our laboratory (Fig.a). Additionally, his graduate students presented several papers in this event, and one of the PhD. Students, Dong-Chang Lee, was awarded with the Best Poster Presentations (Fig.b).

Details of activities in the future.
(1). Encouraging students at the SPIE Taiwan Tech Chapter to attend international conferences. Student members will learn knowledge and exchange cultures with foreign students and experts.
(2). Continuing the academic routine and social activities as those we had done in 2018.
(3). Promoting the SPIE Taiwan Tech student chapter (Outreach Events) to increase members.
(4). Encouraging student members to attend activities sponsored by SPIE and to apply travel grants.
(5). Inviting international academic visitors to Taiwan Tech for giving speeches.