Annual Report on Activities of National Taiwan Ocean University Chapter

National Taiwan Ocean University

February 2019
About SPIE NTOU Student Chapter

The SPIE Student Chapter at National Taiwan Ocean University (NTOU) was established on January 27th, 2012. In Oct. 2018, Mr. Yi-Ting Chen was elected as the president of SPIE NTOU Student Chapter. He works hard to perform chapter activities with newly elected officers. In 2018, our chapter activities were including SPIE visiting lectures, invited presentations and attending international conference etc.

Chapter Officers

President: Yi-Ting Chen  loat2007@gmail.com
Vice-President: Ming-Hung Hung  masonhung@ntou.edu.tw
Secretary: Chia-Jung Tsao  zxcv45623@gmail.com
Treasurer: Yi-An Lin  vian7290@gmail.com
Advisor: Lena Chang  lenachang@mail.ntou.edu.tw

Total Student Members: 20

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<tr>
<th>Name</th>
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<td>Chia-Hung Lin</td>
<td>19 November 2019</td>
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<td>Chia-Jung Tsao</td>
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<td>Dong-Lin Lu</td>
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<td>Feng-Hsu Hseih</td>
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<td>Jui-Tao Lee</td>
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<td>Sheng-I Chang</td>
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<td>Jhu-Kai Chang</td>
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<td>Ji-Xuan Huang</td>
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<td>Ming-Hung Hung</td>
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<td>Yen-Cheng Tsai</td>
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<td>Yi-Ting Chen</td>
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<td>Chuan-Kai Lin</td>
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<td>Cheng-Feng Shih</td>
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<td>Hao-Ting Huang</td>
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Chapter Activities

1. Former Student Chapter Ding-Jim Hsu attended the student chapter of SPIE Photonics Europe 2018 leadership workshop on 4/21 2018

Following is the experience from Ding-Jim Hsu:

First of all, I would like to thank SPIE for giving me the opportunity to join the leadership workshop. Let me work together with the members of the clubs around the world. I also want to thank SPIE for providing the club with so many resources. It is my honor to participate in this leadership workshop.

4/21, I attended a lecture given by Prof. Jean-Luc Doumont. He gave a speech in a very humorous way. He brings us together to discuss the topics and interact with us in the process. The theme allows us to rack our brains and think carefully. It's very interesting to learn how to do it and report it to everyone. You can also listen to the thoughts and brainstorming of other groups. It's very interesting.
4/25, I attended a Poster Section of student chapters. A representative of student chapter has prepared a poster. We could learn about the status of various chapters around the world from posters and refer to the status of their chapters and ask them some skills about how to promote your chapter and let more people know about SPIE. This is an issue that every student member should consider.
Figs. 3(a)–(b) Attending Poster Section by Ding-Jim Hsu
I learned a lot from this meeting. I hope that I can bring some vitality to our chapter. Become a better leader and let our chapter work smoothly

Ding-Jim Hsu, the former president of NTOU student chapter

2. Experience Sharing after attending the conference of SPIE Photonics Europe 2018

Date: June. 5, 2018
Location: National Taiwan Ocean University
Content: The former president, Ding-Jim Hsu, shared some experience about the trip to SPIE Photonics Europe in Strasbourg in April 2018. They had a great feedback from Ding-Jim Hsu for his experience about the lecture by Prof. Jean-Luc Doumont and the poster meeting. After that, he had the group photos with other attendees.
Figs.4(a)~(c) Photos of Ding-Jim Hsu and the Experience Sharing with NTOU students
3. Invited Presentations

Topic: Recent progress in coherent adaptive remote sensing
Speaker: Mr. Akira Hirose (The Univ. of Tokyo)
Date: June 12, 2018
Location: National Taiwan Ocean University
Contents: We invited one of famous IEEE member, Mr. Akira Hirose, who is also the lecturer of IEEE GRSS Distinguished Lecture Program (DLP). On that day, we were having a great lecture and many professors from different departments joined us. Mr. Hirose shared his research results which are about some advanced neural network processing methods. The lecture was very deep. Many participants asked questions and Mr. Hirose gave detailed answers. In the end, the dean of Electrical Engineering and Computer Science also gave Mr. Hirose the certificate of appreciation and local specialties.
4. 2018 IEEE Taiwan Workshop on Information Theory and Communications

Date: Aug. 16~Aug. 17, 2018
Location: Taichung
Contents: The 2018 IEEE Taiwan Workshop on Information Theory and Communications was held at The Splendor Hotel Taichung, Taiwan, on the 16th (Thursday) and 17th (Friday) of August 2018. The workshop is co-sponsored by IEEE ITSoc Taipei, IEEE ComSoc, Taipei, and Ministry of Science and Technology.

The 2018 IEEE Taiwan Workshop on Information Theory and Communications is to promote information exchange between the researchers in Taiwan in the fields of information theory and communications. One of NTOU student members Wu Ching Chang attended the workshop and proposed a poster report.
Figs. 6(a)–(c) Attending a Poster section in 2018 IEEE Taiwan Workshop on Information Theory and Communications
5. Chapter Officer Election & New Member Recruiting

Date: Oct. 29, 2018
Location: National Taiwan Ocean University
The meeting for the election of the 2018 SPIE NTOU Chapter officers and new members recruiting were held on Oct. 29, 2018. Yi-Ting Chen was elected President of the SPIE NTOU Chapter. We also recruited several new members to join our chapter.
Other Chapter Officers as follows:
Vice-President: Ming-Hung Hung
Secretary: Chia-Jung Tsao
Treasurer: Yi-An Lin
Figs. 7(a)–(d) Photos of SPIE NTOU Chapter Officer election
6. Invited Presentations

Topic: Introduction of engineering ethics
Speaker: Jing-Ming Chen
Date: Nov. 30, 2018
Location: National Taiwan Ocean University
Contents: We invite Dr. Jing-Ming Chen, the deputy general manager from Chunghwa Telecom to introduce the engineering ethics to our students. The lecture introduced many moral principles that apply to the practice of engineering and engineers' obligations to society, customers and professions.

Figs.8 The speech by Dr. Jing-Ming Chen

Fig.9 Group photo with the participants
7. Attending OPTIC&Photonics Taiwan, International Conference-Annual Meeting of Taiwan Photonics Society 2018

Date: Dec. 7, 2018
Location: Tainan Campus of National Chiao Tung University

Contents: One student member Yi-Ting Chen joined the OPTIC 2018 held in National Chiao Tung University, Tainan, Taiwan, on the 7th (Friday) of December 2018. During the lunch time, we participated the SPIE member chapter meeting and promotion. At the same time, every student chapter had the annual report and shared experience with other participants.

Fig. 10 The speech by SPIE president

Fig. 11 Group photo of SPIE members and students
8. Field Trip

Date: Dec. 7, 2018
Location: Chunghwa Telecom

Contents: Chunghwa Telecom, which is telecommunication operator, is used by the largest number of people in Taiwan. The speakers of Chunghwa Telecom let us know the application of Internet of Things (IoT), such as industry 4.0, smart city, and smart home. Furthermore, they also introduced many services they provide and the direction of development in the future.

Fig.12 Photo of one student member Hung-Ming Hung

Fig.13 One Robert Introduce service of Chunghwa Telecom to the students
9. Invited Presentations

Topic: Sharing working experience
Date: Dec. 17, 2018
Location: National Taiwan Ocean University
Contents: Student chapter invited many graduated seniors to share their working experience. Most of the speakers are engineers. They not only gave us lessons about work experience, but they also shared some valuable experiences while they were still at school.
Figs. 15(a)~(c) The speakers sharing experiences

Fig. 16 Group photo with participants
Chapter Funds

Beginning balance: $ 0

Funds obtained from SPIE: USD $900

Details:

Speech fees for Invited Presentations: $300 (Activities 3: $200; Activities 6: $100)

Transportation fees for attending 2018 IEEE Taiwan Workshop on Information Theory and Communications (Activities 4): $100

Meals for chapter officer election (Activities 5): $150

Transportation fees for attending OPTIC&Photonics Taiwan, International Conference-Annual Meeting (Activities 7): $100

Transportation fees of visiting Chunghwa Telecom (Activities 8): 150

Meals for sharing working experience (Activities 9): $150

Total: $ 950

End balance: $ -50

Planned Chapter Activities in 2019

1. Provide a series of lectures to increase the knowledge of optics for students.

2. Invite visiting lecture. (Apply SPIE’s support of visit lecture)

3. Visit related industry sites in the second half of the year.

4. Perform chapter officer election in October.

5. Regular group meeting of SPIE NTOU Student Chapter.

6. One NTOU chapter officer will apply “Student Travel Grants” to attended SPIE Student Leadership Workshop in 2019.