Annual Report on Activities of National Taipei University of Technology Chapter

April 2017 – March 2018

Chapter Officers:

President : Wei-Chien Wang (Be821206@gmail.com)
Vice-President : Kai-Lun Wu (csgt2078@gmail.com)
Secretary : Wei-Chih Liu (lineage107@yahoo.com.tw)
Treasurer : Hou-Lon Cheang (2007library@gmail.com)
Adviser : Yi-Jun Jen (jyjun@ntut.edu.tw)

Current Student Chapter Members:

In this years, the number of members increase to 16 persons. They consist of master and Ph. D students.

<table>
<thead>
<tr>
<th>Name</th>
<th>Expires</th>
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<tbody>
<tr>
<td>Teh Li Chan</td>
<td>8 September 2018</td>
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<tr>
<td>Yu-Sin Chang</td>
<td>3 September 2018</td>
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<td>Hou-Lon Cheang</td>
<td>10 September 2018</td>
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<td>Yu-Lun Guo</td>
<td>3 September 2018</td>
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<td>Tzu-Huan Hsu</td>
<td>3 September 2018</td>
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<td>Zheng-Xing Lee</td>
<td>3 September 2018</td>
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<td>Ming-Zheng Li</td>
<td>3 September 2018</td>
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<td>Shu Yu Lin</td>
<td>23 March 2018</td>
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<td>Wei-Chih Liu</td>
<td>30 July 2018</td>
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<tr>
<td>The Van Manh</td>
<td>19 September 2018</td>
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<tr>
<td>Huan Vo Nguyen Bao</td>
<td>19 September 2018</td>
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Chapter Activities:

Kyoto University and National Taipei University of Technology – Joint Workshop (Date:2017/05/22)

This year our chapter held a special activity, a joint workshop with Kyoto University. Professor Motofumi Suzuki led two students to come to our chapter sharing their researches and discuss the future collaborative possibility.

The workshop had two sessions: in the morning, the Kyoto University member presented the title “Quasi-stokeslet induced by thermoplasmonic Marangoni effect around a water vapor microbubble”; in the afternoon, the Taipei Tech member presented the novel optical property of the nanohelix and ultra-thin film. Each group had presented their research findings of the last years. After the presentation, our chapter members took all the guests to have a brief lab touring. During the whole workshop, our chapter members had a conversation and discussed enthusiastically with them because this is a rare chance to obtain novel information from other university in Japan.
Financial information:
Giveaways fees: $40
Venue charges: $70
Food fees: $60
SPP 8 The 8th International Conference on Surface Plasmon Photonics (Date: 2017/05/26)

The SPP8 held in Academia Sinica, Taipei, Taiwan. Our chapter submits two papers to the oral and post section. The title of the oral section is “Tailored admittance and refractive index of a stratiform metamaterial for high efficient light absorption,” and the other one is “Obliquely deposited gold nanohelices on a disordered seeded surface.”

During the whole conference, our members presented their research results and discussed with scholars and audiences, receiving some good feedback and responses. All the members who attended this conference have the important experience and good memories.

SPIE Optics + Photonics Conference (Date: 2017/08/09)

Our chapter president Yi-Ciang Jhang presented his research results during the oral section in Optics and Photonics Conference on August 9th, 2017. The titles of the articles: “High efficient light absorption and nanostructure-dependent birefringence of a metal-dielectric symmetrical layered structure.”

The president of our chapter, Yi-Ciang Jhang, also attended the leadership workshop during the conference. He discussed with other presidents from many countries, exchanged opinions on research, and received novel information. After he came back from the conference, he shared the experience he got during the conference, and gave us some feedback.
Chapter Officer Election (Date:2017/09/1)

Our chapter held elections for new officers. The meeting for the election was held on July 1st, 2017. Wei-Chien Wang was elected President of our chapter. Kai-Lun Wu was selected as Vice President.

Invited Speech (Date:2017/11/07)

This year our chapter is very honor to invite professor Prof. Motofumi Suzuki. He studies thin film nano-structures and morphologies expecting the novel properties related them. Especially, he is now interested in the optical and mechanical properties of thin films with tailored nano-morphologies prepared by dynamic oblique deposition (DOD).

Then Prof. Motofumi Suzuki gave us a talk about “The perfect absorbers-applications from Microfluidics to Energy Harvesting.” The speech attracts many students because of his research and great reputation. After the speech, we discussed enthusiastically on topics about these talks and received many good responses.
International Chair Professor Speech

The perfect absorbers – applications from Microfluidics to Energy Harvesting

Speaker: Motofumi Suzuki
Present Job: Professor, Department of Micro Engineering Kyoto University, Kyoto.
Research: Tailoring Nanomorphology
Applications of Nanomorphology Control
Development of Novel Growth Techniques

Site: B1 Lecture hall, General Studies Building
Time: 2017/11/07 (二) 14:00–16:00
Financial information:
Giveaways fees: $60
Transportation fees: $20
Venue charges: $225
Advertising costs: $50
Food fees: $185

Optics & Photonics Taiwan, International Conference (Date:2017/12/08)

The OPTIC 2017 held in National Sun Yat-sen University, Kaohsiung, Taiwan. Our chapter submits one paper for the poster section and one paper for the oral section, and the titles are “Obliquely deposited Ag-SiO$_2$ nanohelix array ”, and “Transmission induced hyperbolic metamaterial as a compact polarizer.”

During the whole conference, our members present their research accomplishment and discuss with scholars and audiences, receiveing some good feedback and responds. All the members who attended this conference have the important experience and good memories.

There is another important activity held in this conference:
A few presidents of student chapter have the chance to introduce their chapter. Our president, Wei-Chien Wang, did a good job to have a splendid talk introducing NTUT student chapter to all the guest.
Details of planned activities for the future

For the future, NTUT SPIE student chapter will attend SPIE Optics + Photonics 2018 in San Diego. In 2018 Optics & Photonics Taiwan International Conference we will exhibit the research achievements during this year. In 2018 SPIE Optics + Photonics conference our student chapter will present the researches about nanostructure thin film during the post section.

Financial information:
Beginning Balance: $170
Funds obtained from SPIE: $700
Funds expended: $710
Details:
Transportation costs: $20
Giveaways fees: $100
Venue charges: $295
Advertising costs: $50
Food fees: $245

End Balance: $160