



2014 Annual report

University of Fukui student chapter of SPIE

July 2014

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JP-NetS (Japan Photonics Network of Students)

We held the students conference “Japan Photonics Network of Students” (JP-NetS) in University of Fukui on September 21st and 22nd 2013. We invited students from SPIE Student Chapters of University of Tokyo and SPIE Student Chapters Osaka University. This conference was the 3rd time, we organized this time, to extend the network among young researchers in different university and chapters in Japan.

We introduced and discussed the activities from each their own chapters to help for future activities. Professor Masahiko Tani from University of Fukui, Associate Professor Takao Fuji from Institute for Molecular Science and Associate Professor Mitsutaka Kumakura from University of Fukui gave us high-quality lectures on THz metamaterial, ultrafast molecular science and quantum optics, and so on.

In poster presentations, students presented and discussed with each other on their researches.

In group discussion, we discussed research and education. Through this conference, we succeed to build good networks.

We were able to learn the different knowledge, skills and minds. We think this conference can help us to decide what we do after graduation, to make the reminder of our college life meaningful.



We spent \$ 80 for the preparation and for the social gathering.

LQE (Lasers and Quantum Electronics) @ University of Fukui

This conference was held at University of Fukui on May 22nd and 23rd in 2014. LQE is open every year. In this year, LQE was held in Fukui University by Prof. Sakae Kawato who is a professor of us. We co-sponsored as a student chapter, we planned and managed to proceed well. In addition, we open a social gathering, laid a good relationship with the presenter.

In chapter introduction, we invited presenter from various universities and corporations and shared knowledge by announcing the research results. In invited lectures, Professor Takao Fuji from the Institute for Molecular Science made a presentation about the ultra short optical pulse, they told this evaluation method are expected the wide range of applications in the future.

In oral presentation, presenters presented their scientific researches: laser optics, feedback control, microscopy and spectroscopy. This oral presentation was beneficial to enhance interests and knowledge of various topics. The President and the Secretary of our chapter announced our research at this presentation.

In social gathering, preparing sweets was to be able to relax in between the announcement. In addition, it held a social gathering after the announcement of the first day, it was purpose to build strong and closer relations.

In summary, through invited lectures and the oral presentation of the presenter, we wore the more specialized knowledge. We also built a good relationship between us and the presenter through the social gathering.



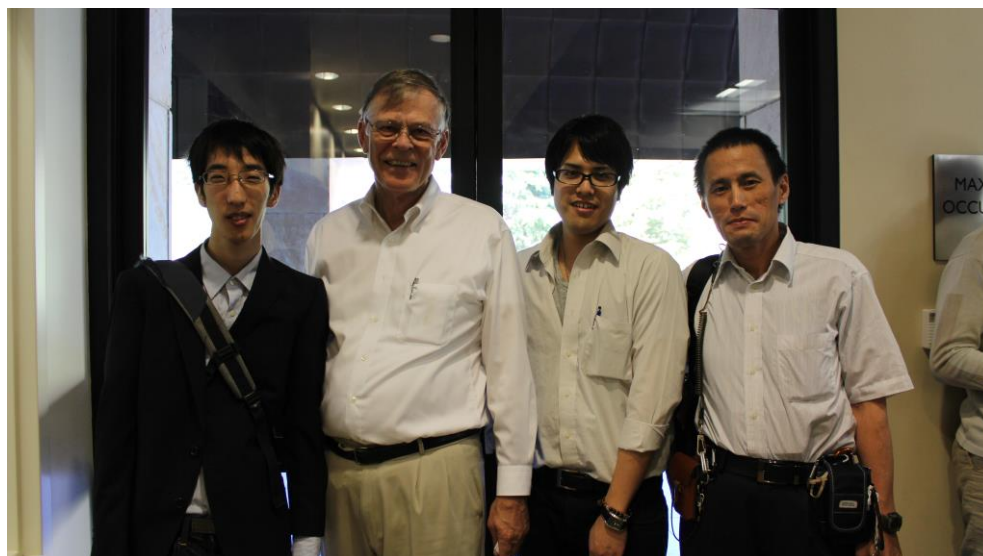
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Visiting Stanford University

The President, the Secretary and the Advisor of University of Fukui student chapter visited Stanford University on 17th June 2014. In the first place, they visited various laboratories in Stanford University. They could experience the highest study. It really stimulated them.

Then, they met Professor Robert L. Byer who was President of the American Physical Society, of the IEEE LEOS and of the Optical Society of America. They participated in a tea party and communicated with him and Stanford University students. We are going to hold a conference in University of Fukui. We want him to talk in the conference held us.

Accidentally, A graduation ceremony was held in Stanford University. They listened to Bill Gates's speech. That was very gorgeous ceremony.



We spent \$ 300 for the transportation and lodging costs.

Details of planned activities for the future

- We are planning a meeting at University of Fukui next spring. We think Professor Robert L. Byer invite in the meeting and now, we contact him. We think it help communicating with other researchers.
- We are planning a party in University of Fukui. The purpose of the party is increasing of student chapter member in University of Fukui.

Financial information

- Beginning balance \$500
- Details of SPIE funding received
 - Promotional articles in order to get more students participation in the chapter. \$100
 - transportation fee and gift for speakers \$200
 - Instrument and materials for physics and optics experiments to pre-university. \$200
- Destination
 - JP-NetS: For the preparation and for the social gathering \$80
 - LQE: For the preparation and for the social gathering \$80
 - Visiting Stanford University: For the transportation and lodging costs \$300
- Ending balance $\$500 - \$460 = \$40$