SPIE Student Chapter Annual Report

Friedrich-Alexander University of Erlangen-Nuremberg

Erlangen Graduate School in Advanced Optical Technologies (SAOT)
Master Program in Advanced Optical Technologies (MAOT)

Current officers:
President: Sadegh Bakhtiarzadeh
Vice-President: Hamed Jamshidipour
Secretary: Zeinab Eskandarian
Treasurer: Fanuel Mehari
Advisor: Prof. Michael Schmidt

Current members:
1. Birhanu Tamene Abebe
2. Mohammad Reza Bahrami
3. Sadegh Bakhtiarzadeh
4. Shahin Bayat
5. Zeinab Eskandarian
6. Hamed Jamshidipour
7. Rajesh Kanawade
8. Tika Kusbandiah
9. Bastian Lins
10. Ali Mahdavi
11. Fanuel Mehari
12. Shailesh Mishra
13. Fatemeh Mokhtarani
14. Paul Rostand Ndeundoun
15. Abhishek Ojha
16. Olga Pasko
17. Angela Perez Castaneda
18. Jaypee Quino
19. Amirhossein Sadeghzadeh Jahromi
20. Christian Siegl
21. Mehrbod Soleimani Aligodarzi
22. Ladan Zoheidi
Activities:

1- Talk of Prof. Juan Campos from Autonomous University of Barcelona: Prof. Campos gave two talks on Liquid crystal spatial light modulators (LCOS SLM) and Characterization and optimization of the amplitude, phase and polarization modulation which were held in two institutes: The Fraunhofer Institute for Integrated Systems and Device Technology, IISB, and the Max-Planck institute for the Science of Light in Erlangen. Finally he participated in our Pizza Seminar held in the Erlangen Graduate School for Advanced Optical Technologies (SAOT) where he spoke briefly about the research topics in which he works on. Simultaneously there was an experimental setup prepared by members of the Chapter in which the principles of a transmissive SLM were explained in a way that participants could interactively get familiar with the topic and ask questions to the lecturer.

2- Visit to the Christmas Market in Erlangen: We raised awareness of the chapter activities and informed potential new members of the chapter during a visit held on Monday 20th of December 2010 to a Medieval Christmas Market in Erlangen.

3- Election of new officers: The election of new officers happened on 7th of March 2011 and the following three representatives were chosen:

    President: Sadegh Bakhtiarzadeh
    Vice-President: Hamed Jamshidipour
    Secretary: Zeinab Eskandarian

On 25th of May 2011 the previous treasurer was replaced by the new one, Fanuel Mehari, a freshman student in the master program of Advanced Optical Technologies (MAOT). The process of elections intended to give people at different stages of their formation, the experience of being in a leading position.

4- Travel to the castles Hohenschwangau/Neuschwanstein
Both castles are 19th century palaces in the German village of Schwangau near the town of Füssen in southwest Bavaria. Hohenschwangau was the childhood residence of King Ludwig II of Bavaria and was built by his father, King Maximilian II of Bavaria. The second, Neuschwanstein Castle, is a Gothic Revival palace on a rugged hill above the village.

This trip was the occasion for the chapter members to get in contact with each other for a longer time. We discussed about our particular interests and the academic activities that we are involved as well as our concerns on how SPIE could help us promote our academic life.

The conclusions extracted from this gathering were the following:

- As all of the students are looking for a career in the future, either in the university or industry, there was a demand to visit some relevant schools, institutes and companies. Consequently we are negotiating with some institutes in Germany to run a visit.
- Most of our chapter members belong to the master program in advanced optical technologies in the university of Erlangen-Nuremberg (MAOT). There was a request to establish some intensive courses that all members could benefit.
- MAOT is an intensive program that students could hardly plan for a leisure time. They are interested that time to time the chapter officers organize some recreational programs funded by either the chapter or the school.
5- Recruitment:
We benefited from many of the occasions in which students gather, to invite people to join our chapter with quite good results. Our chapter has now 22 members.

Future Plans until the end of 2011:

1. Visit of very well known optical schools in other cities of Germany (Jena, Karlsruhe) (300 €)
2. Running an activity involving a Khet tournament in our School. (50 €)
3. Invitation to the 2011 visiting Lecturer to our School. (50 €)
4. Participation of three of our officers in the student leadership meeting in San Diego and the Optics and Photonics conference.
Financial report:

Income
Credit: 849.83 €

Expenses:
Transportation.............................. 25 €
Pizza and drink for Seminars .................... 71.17 €
Meetings for recruitment........................ 9 €
Leisure trip to Hohenschwangau/Neuschwanstein ....... 274 €
Banner, Poster and Flyer.......................... 15 €
Officer Election..................................... 6.46 €

Balance: 449.20 €