

Report of activity in 2004

SPIE student chapter

at National Technical University of Ukraine “Kiev Polytechnical Institute”, Kiev, Ukraine

The goal of the SPIE student chapter is exchange and distribution of information about optics, photonics and imaging. The following activities have been organized and realized in 2004:

1. Organization of meetings of the SPIE student chapter on regular base.
2. Three invited lecturers made the presentations: Prof. M. Kuyawinska presented the perspectives of SPIE activities and scientific works devoted to intrferometric measurements and 3D sensing. Prof. V. Molebny presented his works on measurements eye aberrations. Dr N. Licholit presented the activity of ukrainian optical company CDB “Arsenal”.
3. Participating in the scientific conferences - “Instrument-making 2004:”, Kiev, Ukraine - April, 20 - 21, 2004 and “Holography-2004”, Kiev, Ukraine, May, 21-23, 2004.
4. Demonstration of two video-courses and one CD-course for students and professors using SPIE educational materials located at SPIE-Ukraine head-square.
5. Presentations of components of optical instruments like digital control components, modulated light sources and optical sensors made by students of Optical Engineering Department, May 26, 2004.
6. Visiting 12 technical and educational exhibitions including “Light-2004”, “Electronic components-2004”, “Machine building-2004”, “Laboratory Equipment-2004”, “Computer Expo-2004”, “Digital maniya - 2004”, “Computer and communications-2004”, “Internet communication-2004”, “Industry and material processing-2004” and etc.
7. Development of the student WEB-site www.kpi-optics.com that has won the third place among ukrainian student WEB-sites.
8. Working with SPIE publications at SPIE-Ukraine headquarters.

*Advisor of the SPIE Student Chapter
at the National Technical University*

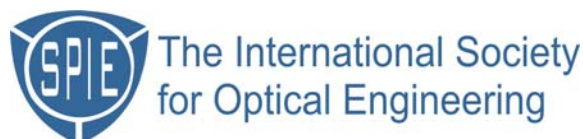
Dr/ Prof Volodymyr Borovytsky

*President of the SPIE Student Chapter
at the National Technical University*

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*Vice-President of the SPIE Student Chapter
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Galyna Gaivoronska



Plan of activity in 2005

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In 2005 the efforts of SPIE student chapter will be concentrated on initialization of small student research projects in optical science and optical engineering. It helps to make information exchange more effective and motivated. These projects will be presented on SPIE conferences that can also stimulate students to activity in Optics and Photonics.

1. Participation in SPIE conferences “Correlation Optics-2005”, Chernovtsty, Ukraine, “Advanced Optoelectronics and Lasers –2005”, Yalta, Ukraine.

2. Organization of two competitions for the best student project in optics, photonics and imaging in May and in December, 2005. The winner projects will be presented at site of the chapter

3. Creation with help of students of two educational courses devoted to digital imaging systems and testing of holographical elements.

4. Organization of three presentations made by the visiting lecturers.

5. Visiting the exhibitions devoted to or connected with optical instruments, optical measurements and their applications in industry, communication and daily life.

6. Presentation of SPIE educational materials like videocourses, courses on CD, SPIE books and magazines to students on regular base.

7. Development of bilingual WEB site of the chapter.

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