

SPIE Annual Report 2017

3.2. University of Delhi at ANDC SPIE Student Chapter

Faculty Advisor: Dr. Amit Garg

The office bearers of the ANDC SPIE (Society of Photo-optical Instrumentation Engineers) Chapter at ANDC collaborated with SPIE Chapter Manipal and SPIE NIT Goa in organizing an International Conference 'Asia Students Photonics Conference' from December 12-14, 2016, MIT, Manipal University, Karnataka, India. Three students participated in the conference namely Prashant Bhatt, Rachit Dobhal and Ativir Pratap Singh. The students presented two papers titled 'Laser Spirograph: Integrating Optics with Mathematics' and 'Design and Construction of a Low Cost Solar Tracker'.

Sadashiv Raj Bharadwaj was awarded the Officers' Travel Grant for attending SPIE Optics + Photonics Conference held from August 28 - September 2, 2016 in San Diego, USA. He participated in the Optics Outreach Games and presented a paper titled 'Innovative Methods to Promote Optics at School Level'.

The office bearers of the Student Chapter this year are: Sadashiv Raj Bharadwaj (President), Raj Kumar (Vice President), Ayesha Rustagi (General Secretary) and Sarthak Chauhan (Treasurer). A total of 70 new members were inducted in the year 2016 - 2017.

A two day induction workshop was organized by the Chapter on February 9-10, 2017. The aim of the workshop was to familiarize the newly inducted members with the chapter activities and the working of the chapter. On the first day, hands-on activities were organized on the following chapter developed kits/experiments-

1. Holography
2. Ray Optics Kit
3. Wave optics Kit
4. Study of diffraction of light
5. Acoustic laser dancing
6. Laser Spirograph
7. Fiber Optics kit

The session was kept interactive to allow students to think beyond their curriculum boundaries to explore and investigate further in the field of optics.

On the second day, the students visited NC Jindal Public School to attend the National level CBSE Science Exhibition to gather ideas for the future outreach activities to be conducted by the chapter. The students were divided into batches of 10 each with a coordinator in each group to cover all the 400 display projects. The projects were diversified, from physics to mathematics covering a wide array of concepts. The projects attracted the intrigue of students and were a source of motivation to work in the field of science. The workshop was attended by 50 students. The convenor of the workshop was Dr. Amit Garg, Faculty Advisor along with the team of Chapter office bearers.