Annual Report 2012

The NUI Galway & University of Limerick SPIE student chapter was established by postgraduate students from the Tissue Optics and Microcirculation Imaging (TOMI) Group, Applied Optics Group, National Centre for Laser Applications of National University of Ireland, Galway (NUIG) and the Physics Department of University of Limerick. The aim of the chapter is to bring together people with common interests in the fields of optics and related disciplines, to organise events and activities, and to promote optics in the universities and the wider community.

Chapter Officers 2012

Haroon Zafar      Susan Daly       Roshan Dsouza   Aedán Breathnach
President        Vice President
Secretary        Treasurer

SPIE Photonics West 2012

Susan Daly of University of Limerick was awarded the Newport Spectra-Physics Research Excellence travel award to attend the SPIE Photonics West 2012 from 21 - 26 January 2012 in San Francisco, California.
Prof. Steve Jacques visited NUIG

Prof. Steve Jacques of Oregon Health and Science University visited the School of Physics National University of Ireland, Galway in April/May 2012. He gave short course on “Tissue optics and moving biophotonics into the clinic” on 1st and 2nd of May at NUIG. He covered wide range of topics: tissue optical properties, spectroscopy/imaging, Monte Carlo simulations of light transport, photochemical interactions, photo thermal interactions, photomechanical interactions, real world examples including BiliChek – (Philips) and a polarisation camera for cancer margin detection.

Biophotonics and Imaging Graduate Summer School (BIGSS) 2012

The Biophotonics and Imaging Graduate Summer School (BIGSS) 2012 was held in Galway from June 7th - 13th 2012. The world famous experts Prof. Wolfgang Drexler (Vienna), Prof. Tayyaba Hasan (Harvard), Prof. Anita Mahadevan-Jansen (Vanderbilt) and many more covered wide range of topics in biophotonics such as Optical Coherence Tomography (OCT), Photoacoustic Tomography (PAT), Phase Microscopy, and much more. The BIGSS’12 was organised by Tissue Optics & Microcirculation Imaging Group of NUIG.
SPIE Student Chapter Leadership workshop & SPIE Optics+Photonics 2012

Haroon Zafar attended SPIE Student Chapter Leadership workshop on 11th August & SPIE Optics+Photonics 2012 from 12th-16th August in San Diego, CA.
Opto Imaging Ireland 2012

The first Opto Imaging Ireland 2012 was held at National University of Ireland, in December 2012. The first Opto Imaging conference brought together expertise from across a range of disciplines, from Astronomy to Medicine, Microscopy to Machine Vision and consumer devices. All aspects of imaging systems were considered, from design to post-processing of the image data. The aim was to showcase expertise in imaging to foster interactions. The graduate students were particularly encouraged to present their research as a poster. This was organized by the Applied Optics Group of NUI Galway.
Planned Activities for 2013

A number of members will attend SPIE Photonics West 2013 this February. March will see a Biophotonics & Imaging Conference in Dublin, student events will be organized by NUIG & UL SPIE chapter. Prof. Alexandre (Sasha) Douplik from Ryerson University will visit chapter in March. The chapters members will visit UCD SPIE chapter, Dublin in June. A chapter member will attend SPIE Chapter Leader Workshop 2013 & Optics + Photonics 2013 in August. SPIE Student Chapter Recruitment Sessions will be organized twice a year. Social events like KHET Laser Chess Night etc has been planned for this year.