

## Society News

# News from The European Optical Society

## EOS Annual General Assembly 2012

The assembly will be held alongside the 4th EOS Annual Meeting 2012 (EOSAM 2012), taking place from 25th to 28th September 2012, in Aberdeen, Scotland, UK.

Topics on the agenda are, among others, the EOS Prize, EOS Fellows, the changes in the EOS Rules and Code of Practice, as well as the results of the EOS Board Elections 2012 and the elections of the EOS President Elect, Secretary, Treasurer, and Publications Secretary. The agenda further includes reports from the President, the Chairman of the EOS Advisory Committee, the EOS office and the Executive Director, the Treasurer, the Publications Secretary, the Journal of the European Optical Society: Rapid publications (JEOS:RP), as well as reports on the EOS's EU activities and student clubs.

**Date/time: 26th September 2012, 18:00–20:00 CET**

**Location: Aberdeen Exhibition and Conference Centre, Scotland, UK**

**Room: Fleming Auditorium**



**Figure 1** EOS Assembly, Caption: Get informed about the EOS' activities at the Annual General Assembly, in Aberdeen (UK), on 26 September 2012. (Photo: EOS.)

## DGaO elects new Board

The German Society of Applied Optics (DGaO), EOS Branch member, elected its new Board during the member's

[www.degruyter.com/aot](http://www.degruyter.com/aot)

assembly at the DGaO Annual Meeting 2012 in Eindhoven (NL). The Board members assuming new responsibilities are Frank Höller as chairman, Michael Pfeffer as vice chairman and Alfred Jacobsen as treasurer. The other members of the board are Hartmut Bartelt as secretary and Stefan Bäumer, Cornelia Denz, Bernhard Dörband, Christian Faber and Thomas Thöniß. The Chairman of the DGaO Annual Meeting 2013 in Braunschweig (DE) is Egbert Buhr.



**Figure 2** The newly elected DGaO Board (from left to right): Alfred Jacobsen, Stefan Bäumer, Cornelia Denz, Christian Faber, Michael Pfeffer, Frank Höller, Hartmut Bartelt. Further members are Bernd Dörband, Thomas Thöniß and Egbert Buhr. (Photo: DGaO.)

## Mark your calendar for 'Blue' Photonics® 3

After the success of the first two conferences in Scotland (UK) in 2009 and Germany in 2011, the 3rd EOS Topical Meeting on 'Blue' Photonics® – Optics in the Sea ('Blue' Photonics® 3) is being organised to be held at the Royal Netherlands Institute for Sea Research (NIOZ) in Texel (NL) in March 2013.

The first two editions of the EOS Topical Meeting on 'Blue' Photonics® demonstrated the high demand of having a regular meeting platform for networking and exchanging the latest news, developments and ideas in the field of optics in the sea. Similar to the two previous meetings, the 3rd EOS Topical Meeting on 'Blue' Photonics® will focus on the understanding of the unique environment of the marine realm and the sustainable use of marine resources, which are of high societal relevance.



**Figure 3** The Island of Texel, about 1.5-h drive north of Amsterdam, sits in the Wadden Sea and is the largest of the Dutch North Sea Islands. NIOZ is located at about 5-min walking distance from the ferry terminal at Texel. (Photo: NIOZ.)

'Blue' Photonics® 3 will be taking place from the 18th to the 20th March 2013 and will highlight topics such as environmental monitoring – crowdsourcing – apps, ocean colour, radiative transfer and modelling, marine bio-optics and remote sensing, fluorometry – AOP – IOP, 2D and 3D underwater imaging as well as innovative subsea optical techniques and instrumentation. Attendees have the opportunity to discuss related issues, develop ideas for their own work and build up a network of colleagues for future interaction.

'Blue' Photonics® 3 will be chaired by Marcel R. Wernand, Royal Netherlands Institute for Sea Research (NIOZ) (NL), Oliver Zielinski, Marine Sensor Systems (ICBM) and University of Oldenburg (DE) and Hans van der Woerd, Institute for Environmental Studies (IVM) and VU Amsterdam (NL).

The first call for papers is available at [www.myeos.org/events/bluephotonics3](http://www.myeos.org/events/bluephotonics3).

## EOS student club news

In the past month, the student clubs established in 2011 were quite busy and organised, among others, an optics festival for school children, an optics exhibition for future students and focus seminars with invited experts.

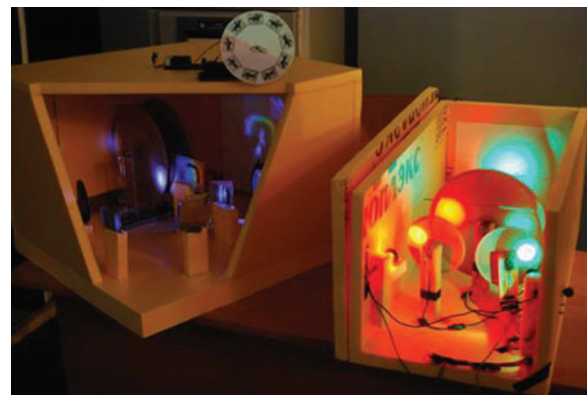
### EOS ITMO Student Club

Among the most important activities realised in the past month by the EOS student club of St. Petersburg State

University of Information Technologies, Mechanics and Optics (ITMO) counts LOYS'2012. This meeting was one in a series of gatherings for young scientists organised in cooperation with the conference 'Laser Optics'. LOYS'2012, held in St. Petersburg (RU), gave the members of the club the opportunity to meet well-known experts in optics, such as Xi-Cheng Zhang, from the Center for THz Research, Rensselaer Polytechnic Institute (US), who gave a report on 'THz Imaging' and took part in a round table discussion with the students.

Another successful activity was the School Kids Festival, a project for pupils, determined to increase their awareness for optics and photonics.

This festival consisted of a series of light shows, exhibits and presentations for school children, aimed at



**Figure 4** At the School Kids Festival, organised by the EOS ITMO Student Club, school children learned that optical phenomena can be beautiful and mystique. (Photo: EOS ITMO Student Club.)

explaining the leading role of optics in present-day life and at showing its beauty and mystique. ‘These shows were exciting and beneficial not only for the pupils, who came from the whole St. Petersburg region, but also for us. This is why we believe that our club activities help us to grow as scientists,’ the club members state in their report.

### **Bauman Moscow State Technical University (BMSTU) Student Club**

Within the last months, the club held an Optics Day for school children, during which the school children had the opportunity to hear about the principles of optics and make first experiences during hands-on experiments. The students consider it important to inform the school children about optics as it may influence their choice of their topic of study. ‘We were really glad to have this opportunity and tell children about the interesting sides of optics,’ say the students of the club.



**Figure 5** Bringing optics and photonics to school children is one of the main activities of the BMSTU EOS Student Club in Moscow (RU). (Photo: BMSTU Student Club.)



**Figure 6** The EOS/SFO Lorraine Student Club regularly invites renowned experts from different fields of optics (here to see Yuri Kivshar from ANU) to give insights to their research field and work environments. (Photo: EOS/SFO Lorraine Student Club.)

Additionally, the club organised an Optics Fair during the ‘Open Day’ of their University, giving future students the opportunity to get informed about the University and its Faculties. They presented optical experiments and then discussed the results with the pupils. One of the experiments was dedicated to the amazing characteristics of liquid crystals, which change their colour under the influence of temperature. Liquid crystals in fluid form are used to detect electrically generated hot spots for failure analysis in the semiconductor industry.

### **EOS/SFO Lorraine Student Club**

In April, the club had a seminar led by Yuri Kivshar, from the Australian National University (ANU). Kivshar, head of the Nonlinear Physics Centre, which is part of the Research School of Physics and Engineering of ANU, presented the state-of-the-art in photonic structures (integrated technologies and microstructured fibres) and in metamaterials.

By the end of June, the club invited Sébastien Bigo, director of WDM Dynamic Networks Department at Alcatel-Lucent Bell Laboratories (FR), to give a seminar on the last generation of optical telecommunication networks. He presented the state-of-the-art: the coherent systems operating at 100 GB/s per wavelength. This last generation of optical networks results in the combination of five key technological breakthroughs.

### **EOS Student Club Taras Shevchenko National University**

As in 2012, the club is again organising the International Conference on Optics and High Technology Materials Science (SPO 2012). This annual meeting for young scientists gathers not only students and alumni from the Taras Shevchenko National University but also external young researchers from all over the world. With the organisational and educational support from their Club Mentor

Igor A. Shaykevyc, the students recently started planning the conference programme. The topics to be addressed are physics of condensed matter and nanotechnology, lasers and optoelectronics, optical design and high-speed photography, biomedical optics and last, but not the least, the formation of three-dimensional images: technology and application.

‘The success of the conference indicates not only the high level of professional preparation of our students and graduates. It also reflects the interest of foreign scientists in cooperating with them,’ states the organising committee of SPOF in a report. The conference will be held from 25 to 28 October 2012 at the Taras Shevchenko National University of Kyiv (UA).