

University of Porto SPIE Student Chapter Work Plan Proposal for 2012-2013

General activities that the Student Chapter group intends to organize

- **Port Wine Students Reception at RIAO – OPTILAS 2013**
VIII Iberoamerican Conference on Optics
XI Latinamerican meeting on Optics, Lasers and Applications

The Iberoamerican Optics Meeting/ Latinamerican Meeting on Optics, Lasers and Applications, RIAO/OPTILAS, long time became the reference Optics meeting in Iberoamerica and our main window to the World, that widely recognizes the decisive importance of Iberoamerica' contribution to the development of Optics and Photonics.

RIAO/OPTILAS is the major scientific meeting in Optics and Photonics in Latinamerica. It is a privileged forum for friendly intense committed discussions and sharing of ideas and experiences in all fields of optics and for the establishment of so many sound and long lasting cooperation and personal relationships among Iberoamerican institutions, academics and researchers from all over the World.

This initiative aims to promote the interaction between all the students participants of RIAO.

Location: Museu de Física da Faculdade de Ciências da Universidade do Porto (Physics Museum of Science Faculty of the University of Porto)

Date: 22th July of 2013.

- **Organization of SEON – Symposium on Enabling Optical Networks and Sensors**

SEON is a joint event organized by INESC TEC (coordinated by INESC Porto) and IT - Aveiro (Telecommunications Institute of Aveiro).

This meeting aims to provide young researchers with the opportunity to take part in a technical meeting and to experience the process of submitting and presenting a conference paper. It also provides and encourages the exchange of ideas between colleagues in academia and in industry, in the rapidly evolving field of Photonics.

Location: Science Faculty of University of Porto.

Date: 26th July of 2013.

Organization of a lecture by a renowned scientist (Photonic Crystal Fibers specialist)

This initiative aims the promotion of a scientific meeting with a high level of interaction between students of the University and the invited speaker, enabling an open debate and the assessment of new concepts, technologies and applications in the domain of optical technology, as well as the establishment of new collaborations and networks.

Location: Science Faculty of University of Porto.

Date: 2nd semester of the school year.

▪ **Organization of regular meetings during the school year**

This meetings aims to the interaction between the student chapter members and discuss the activities that the chapter purpose to organize along the year.

1st meeting

Election of the Officers of the University of Porto SPIE Student Chapter.

Location: Science Faculty of University of Porto.

Date: 9th July of 2012.

2nd meeting

Approval of the Constitution and Bylaws of the University of Porto SPIE Student Chapter and the working plan for the year 2012-2013.

Location: Science Faculty of University of Porto.

Date: 10th July of 2012.

3rd meeting

Location: Science Faculty of University of Porto.

Date: November of 2012.

4th meeting

Location: Science Faculty of University of Porto.

Date: February of 2013.

5th meeting

Location: Science Faculty of University of Porto.

Date: June of 2013.

6th meeting

Location: Science Faculty of University of Porto.

6th meeting

Location: Science Faculty of University of Porto.

Date: October of 2013.

▪ **Scientific meetings**

This initiative aims the promotion of scientific meetings between students of the University and National research scientists, from industry or academia, enabling an open debate and the assessment of new concepts, technologies and applications in the domain of optical technology, as well as the establishment of new collaborations and networks.

Location: Science Faculty of University of Porto.

Date: three during the official school year 2012-2013.

▪ **Participation on “Open Days” to schools**

The Faculty of Science of University of Porto (FCUP) hosts the “Open Days” to schools. This initiative is aimed at secondary school students, especially those who are in the process of vocational guidance. The goal is to provide students with a direct contact with the FCUP training opportunities and information on the professional outputs given by graduations and master degrees.

The “Open Days” are performed during two days, organized by tours to the various laboratories of the Faculty. The visits are organized by area and require prior registration in each area who are interested in visiting [Biology, Physics and Astronomy, Geosciences, Environment and Spatial Planning (Geology, Environment, Geographic Engineering, Food Engineering, Agricultural Engineering, Landscape Architecture); Computing, Mathematics, Chemistry and Biochemistry]. All students and teachers have informational materials about the courses available at FCUP. This activity aims to set up an informal table in the department stand with SPIE promotional materials, handouts, and membership applications during the event.

Location: Science Faculty of University of Porto.

Date: March of 2013.

▪ **Participation of “Mostra de Ciência da U. Porto”**

The Science, Teaching and Innovation Display at the UP (Mostra de Ciência, Ensino e Inovação da U. Porto) is the ideal space to realize the diversity of degrees of University of Porto, but also to explore several aspects of the scientific knowledge. Thought as a space for informal exchange of views, where is necessary to interrogate, experiment and participate. The Science, Teaching and Innovation Display at the U.Porto is directed to high school students that are considering their future but also for all that are interested in knowledge (scientific, technological, humanistic and artistic), this fair is also an ideal opportunity to understand the impact that the University of Porto has in society and in the country's development.

This activity aims to set up an informal table in the department stand of “Mostra de Ciência” with SPIE promotional materials, handouts, and membership applications during the event.

Location: Pavilhão Rosa Mota - Porto.

Date: March of 2013.

▪ **Tour optics industry facilities**

The goal is to provide to the undergraduate and master students a direct contact with the several opportunities in the optics industry and information on the professional outputs.

Location: industry facilities

Date: third trimester of the school year.

▪ **Workshops for undergraduate students**

- Writing academic articles;
- Project management and patents.

It is extremely important for young researchers to publish scientific papers in international journals in order to divulge their work. One of the ways to achieve that is to write in English in a correct, appealing and effective manner.

The SPIE Student Chapter will organize a training sessions for young researchers on writing academic articles in English and project management and patents. The sessions will be based on documents which were developed by the Communication Service of INESC TEC. Also a senior researcher with a high number of publications and experience to project management on his record will be at the session to talk a little about his experience and about what makes a paper/project/patent a good paper/project/patent.

Location: University of Porto.

Date: during the year.

▪ **Web page development**

The website will be used to inform the students of the activities developed by the University of Porto SPIE Student Chapter.

The temporary web domain is already created. [UPSPIEChapter.inescporto.pt].

- **University of Porto SPIE Student Chapter promotion**

Set up an informal and attendance space in the Science Faculty of University of Porto with SPIE promotional materials, handouts and membership applications during all the school year.