

# AOP 2019

Lisbon, Portugal  
31 May - 4 June, 2019

IV International Conference on  
Applications of Optics and Photonics

## Call for Papers

The Portuguese Society for Optics and Photonics is organizing the IV International Conference on Applications in Optics and Photonics, AOP2019, which will be held in Lisbon, Portugal, on May 31 to June 4, 2019.

Upon the major success of SPOF' first three conferences - AOP2011 in Braga ([www.optica.pt/aop2011](http://www.optica.pt/aop2011)), AOP2014 in Aveiro ([www.aop2014.org](http://www.aop2014.org)), and AOP2017 at the University of Algarve in Faro ([www.aop2017.org](http://www.aop2017.org)) – the periodicity of the conference was changed to biennial and therefore this next conference will take place at the University of Lisbon in 2019.

In the enthusiastic open and friendly environment that characterize SPOF' conferences, this forum will be an excellent opportunity to further foster the establishment of the widest range of cooperation projects and relationships with colleagues and institutions from Portugal and from all around the world. Open to contributions in all domains of Optics and Photonics and application' fields, with this conference we expect to review the state-of-the art in these subjects and to foresee and discuss the future of research in Optics and Photonics. Twenty five plenary and keynote lectures by world renowned researchers in all fields of optics and photonics, sets the quality standards of a varied and exciting scientific program. At the exhibition area we expect to have also booths and presentations of research labs and industries in order to promote and facilitate the setting-up of future new collaborations. A special space will be reserved for photonics spin-offs and young companies and entrepreneurs. The participation of students is encouraged with reduced fees support and several awards to the best works presented provided with the support of ICO, SPIE, EOS, HSCI and SPOF. Several prizes will be awarded. As it is tradition in our AOP conferences, an enjoyable social program will be organized further contributing to the setting up and cementing of long lasting friendship and cooperation relationships. Peer-reviewed accepted papers will be published by SPIE in an ISI/SCI indexed proceedings book. Selected papers will be published on Special Issues of MDPI journals "Coatings" and "Photonics". Revised versions of the manuscripts published at the AOP2019 proceedings book are eligible to be submitted for publication at the OPA journal.

## Important dates

Abstract Submission Deadline: January 18, 2019

Early Registration Deadline: March 15, 2019

Full Paper Submission Deadline: April 30, 2019

[www.aop2019.org](http://www.aop2019.org)  
[optica@aop2019.pt](mailto:optica@aop2019.pt)

*We are looking forward to welcome in Lisbon, for a most enjoyable and gratifying week, the Optics and Photonics community and our friends from all over the world!*

## Organization



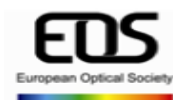
Portuguese Society for Optics and Photonics



## Cooperating organizations



Cooperating organization



European Optical Society



sp física

## Endorsements





## 4<sup>th</sup> International Conference on Applications of Optics and Photonics

### Chairperson

Manuel Filipe P. C. M. Costa (University of Minho, Portugal)



### Main topics and Technical Chairs

*Optical Communications and Sensors*  
Rogério Nunes Nogueira (University of Aveiro)

*Optical Fibers and Applications*  
Orlando Frazão (University of Porto)

*Power lasers, ultrafast lasers and ultrafast optics*  
Gonçalo Figueira (University of Lisbon)

*Optical metrology, Image Processing and Industrial applications*  
Paulo Tavares (University of Porto)

*Optometry, ophthalmic optics, color and visual sciences*  
Antonio Baptista (University of Minho)

*Biomedical and Medical Applications of Optics & Photonics and Biophotonics*  
António Lobo (University Fernando Pessoa)

*Optoelectronics*  
José Manuel Baptista (University of Madeira)

*Microwave Photonics*  
José Figueiredo (University of Lisbon)

*Optical Instrumentation for Space and Astronomy*  
Manuel Abreu (University of Lisbon)

*Nano-Photonics. Theoretical optics. Quantum and Nonlinear Optics*  
Mikhail Vasilevskiy (University of Minho)

*LiDAR and Optics & Photonics for Smart Mobility*  
José António Rodrigues (University of Algarve)

*Optics and photonics education, outreach and societal issues*  
Manuel Filipe Costa (University of Minho)

*Other topics*  
João Pinto Coelho (University of Lisbon)  
Alexandre Cabral (University of Lisbon)

### Plenary and Keynote Lecturers

Stefan Maier (LMU Munich, Germany / Imperial College, UK)  
Katarina Svanberg (Lund University, Sweden / South China Normal University, China)

Elvira Fortunato (Universidade Nova de Lisboa, Portugal)  
Jens Biegert (ICFO-The Institute for Optics and Photonic Sciences, Casteldefells, Spain)

Susana Marcos (Instituto de Optica, CSIC, Spain)  
David Sampson (University of Surrey, United Kingdom)

Pablo Artal (Universidad de Murcia, Spain)  
Nuno Santos (University of Porto, Portugal)

Craig Williams (Defence Science and Technology Laboratory, United Kingdom)

Maria Luisa Calvo (Universidad Complutense de Madrid, Spain)

Yukihiro Ishii (Tokyo University of Science, Japan)  
Tito Mendonça (Universidade de Lisboa, IST, Portugal)

Jürgen Jahns (FernUniversität Hagen, Germany)  
Jim Leger (University of Minnesota, USA)

Wolfgang Drexler (University of Vienna, Austria)  
Anand Asundi (Nayang Technical University, Singapore)

Nikolay Gaponik (University of Dresden, Germany)  
Gerardo Ávila (ESG, Germany)

Brendan Barret (University of Bradford, UK)  
Adolfo Córcoles (Universitat Politècnica de Catalunya, Spain)

Hugo Terças (Universidade de Lisboa, IST, Portugal)  
Jesús Linares (Universitat Jaume I de Castellón, Spain)

João Rodrigues (Universidade de Lisboa, IST, Portugal)  
Jorge Ripoll (Universidad Carlos III de Madrid, Spain)

Helder Crespo (Universidade do Porto, Portugal)  
Sune Svanberg (Lund University, Sweden/ South China Normal University, China)

Jorge Ojeda (Universidad de Guanajuato, Mexico)  
Bernd Barle (Fraunhofer Institute for Photonics, System Technologies and Image Exploitation, IOSB, Germany)

Santiago Royo (Universitat Politècnica de Catalunya, Spain)  
Yasuo Tomita (University of Electronic Communications, Japan)

Takeo Sasaki (Tokyo University of Science, Japan)  
Giullio Cerullo (Politecnico di Milano, Italy)

Elliott Brown (Wright State University, USA)  
Antonio Hurtado (University of Strathclyde, UK)

