



## EUROPEAN OPTICAL SOCIETY ANNUAL MEETING (EOSAM) 13—17 SEPTEMBER 2021, ROME, ITALY

### CALL FOR PAPERS: TOPICAL MEETING (TOM) ON ADVANCES AND APPLICATIONS OF OPTICS AND PHOTONICS

#### SYNOPSIS

This topical meeting has a broad remit. It was set in order to ensure EOSAM 2021 will encompass any and all subjects in Optics and Photonics. Submissions will be accepted in all fields of optics and photonics not covered by the topics of the other topical meetings or whenever the authors think their work will fit better in this TOM of a broader remit.

#### TOPICS

All topics in Optics & Photonics are considered including (but are not limited to)

- Optical Communications and Sensors
- High Power Lasers, Ultrafast Lasers and Ultrafast Optics
- Optical Fibers and Applications
- Image Processing, Optical Metrology and Industrial Applications
- Microwave and Terahertz Photonics
- Biomedical Photonics Applications
- Nano-Photonics. Theoretical optics, Quantum and Nonlinear Optics
- Optoelectronics
- Visual Sciences, Optometry, Ophthalmic Optics and Color
- Optical Design
- LiDAR and Optics & Photonics for Smart Mobility
- Optical Instrumentation for Space and Astronomy
- Education and training and societal issues
- Networking, International Cooperation and Entrepreneurship in Optics and Photonics
- Other topics

#### CHAIRS



**Manuel Filipe M. Costa**  
University of Minho, Portugal



**Maria Teresa Flores-Arias**  
Universidade de Santiago de Compostela, Spain

#### PROGRAM COMMITTEE

##### Optical Communications and Sensors

- ◆ **Rogério Nogueira**, University of Aveiro (PT)
- ◆ **Lúcia Bilro**, Instituto de Telecomunicações, University of Aveiro (PT)
- ◆ **Ana Rocha**, Instituto de Telecomunicações, University of Aveiro (PT)

##### Optical Fibers and Applications

- ◆ **Orlando Frazão**, University of Porto (PT)
- ◆ **Susana Silva**, University of Porto (PT)

##### High Power Lasers, Ultrafast Lasers and Ultrafast Optics

- ◆ **Gonçalo Figueira**, University of Lisbon (PT)

##### Image Processing, Optical Metrology and Industrial Applications

- ◆ **Paulo Tavares**, University of Porto (PT)

##### Visual Sciences, Optometry, Ophthalmic Optics and Color

- ◆ **António Baptista**, University of Minho (PT)
- ◆ **Sandra Franco**, University of Minho (PT)

##### Biomedical Photonics Applications

- ◆ **António Lobo**, University Fernando Pessoa (PT)

##### Optical Design

- ◆ **João Pinto Coelho**, University of Lisbon (PT)

##### Optoelectronics

- ◆ **José Manuel Baptista**, University of Madeira (PT)
- ◆ **Arcelina Marques**, Instituto Superior de Engenharia do Porto (PT)

##### Optical Instrumentation for Space and Astronomy

- ◆ **Alexandre Cabral**, University of Lisbon (PT)
- ◆ **Manuel Abreu**, University of Lisbon (PT)

##### Nano-Photonics, Quantum and Theoretical Optics

- ◆ **Mikhail Vasilevskiy**, University of Minho (PT)

##### Lidar and Optics & Photonics for Smart Mobility

- ◆ **José António Rodrigues**, University of Algarve (PT)

##### Microwave and Terahertz Photonics

- ◆ **José Figueiredo**, University of Lisbon (PT)

#### INVITED SPEAKERS

- ◆ **Sandra Franco**, University of Minho, (PT)
- ◆ **Jose Benito Vazquez-Dorrio**, University of Vigo, (ES)
- ◆ **Igor Nabiev**, Université de Reims Champagne-Ardenne (FR)
- ◆ **James A Grieve**, The Technology Innovation Institute, Abu Dhabi (AE)



# 13-17 September 2021 Rome, Italy



## CALL FOR PAPERS

The European Optical Society Annual meeting (EOSAM) is a major international scientific conference with industry presence, held 13 - 17 September 2021 in Rome, Italy. EOSAM gathers top researchers, key leaders, students and industry experts together. Full week of novel research results presented from the widest range of optics and photonics fields, tutorials, special sessions and networking events will entice you together with the beautiful city of Rome. See you there!

**NOTE:** The conference will be held onsite in Rome, Italy. For those who cannot attend in person, we will offer a hybrid option (online presentation/attendance). While we strongly aim for an in-person meeting with some hybrid elements, the final form will depend on the sanitary and legal situation at the time of the meeting.

Submit your paper to any of the topical meeting (TOM) or Session mentioned below,  
all topics under optics and photonics included:

- Silicon Photonics and Guided-Wave Optics
- Computational, Adaptive and Freeform Optics
- Optical System Design, Tolerancing and Manufacturing
- Bio-Medical Optics
- Resonant Nanophotonics
- Optical Materials: crystals, thin films, organic molecules and polymers, syntheses, characterization and devices
- Thermal radiation and energy management
- Non-linear and Quantum Optics
- Optics at the Nanoscale (ONS)
- Optical Microsystems (OMS)
- Waves in Complex Photonics Media
- Optofluidics
- Ultrafast Optical Technologies and Applications
- Advances and Applications of Optics and Photonics
- Early Stage Researcher Session Organized by SIOF
- EU Project Session
- Grand Challenges of Photonics Session

## SUBMISSION GUIDELINES

Submissions are accepted for oral and poster presentations, for all TOMs. For the Early Stage Researcher session, only oral presentations are accepted. Authors are requested to submit a 2-page abstract, which is formatted according to the **Submission Guidelines**.

2-page abstracts will be reviewed by the program committees of each TOM. Abstracts are submitted online via [Conftool](https://www.conftool.com/eosam2021). Further submission guidelines next page.

**SUBMIT:** <https://www.conftool.com/eosam2021>

Journal of the European Optical Society JEOS:RP

Open Access – Special Issue dedicated to EOSAM2021 - Submissions welcome!

Springer Open

<https://jeos.springeropen.com>

## AFTER CONFERENCE PUBLICATION IN JEOS:RP

After the conference, we offer you an opportunity to publish your work as a full length reviewed paper in the special issue on EOSAM 2021, published in the open access *Journal of the European Optical Society, JEOS:RP*. EOS members receive a significant discount from the APC fee.

## PLENARY SPEAKERS

**Dr. Sophie Brasselet**  
Institut Fresnel, FR

**Dr. Federico Capasso**  
Harvard University, US

**Dr. Giulio Cerullo**  
Politecnico di Milano, IT

**Dr. Remus Nicolaescu**  
Pointcloud, US

**Dr. Isabelle Staude**  
University of Jena, DE

**Dr. Manuel Guizar-Sicairos**  
Paul Scherrer Institute, CH

**Dr. Nikolay I. Zheludev**  
University of Southampton, UK

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## PLEASE FOLLOW THESE GUIDELINES WHEN SUBMITTING

### Submission Template

The abstract should be formatted according to the template provided (either LaTeX or MS Word). Submit template as one pdf file: **2-pages, A4 paper size, 2-columns**

#### LaTeX2e template

Download [Macropackage in LaTeX2e](#) (123.6 KB)

#### Microsoft Word template

Download [Word template for abstracts](#) (33.08 KB).

### Important when submitting

- Select the correct TOM in the submission phase (14 different TOMs to choose from).
- The abstract should be written in English and uploaded as 2-page abstract in pdf format (as one pdf-file).
- Choose preference for either oral or poster presentation and presenting author (this name will be added in the program)
- Choose "student presentation" if, and only if, the presenting author is a student.
- Students who wish to qualify for the best student presentation award, should click the corresponding checkbox in the submission phase.

### Online, open access proceedings

For any author who wishes to be included in the online proceedings, published with EDP Sciences, in the [Web of conferences](#), with DOI and indexation to CrossRef®, is asked to submit an extended abstract via ConfTool, after acceptance of the original 2-page abstract is announced.

- Extended, 3-4 -page abstract submitted in ConfTool
- Make sure the file is a [camera-ready PDF](#) (301.52 KB).
- Online proceedings available after conference
- BE CAREFUL, no extra corrections will be made after publication! You must carefully check your article, including: authors' names, initials, authors, affiliations, and references.
- Submit the publication right form. Download and sign the publication right form: Fill electronically /manually: template to be provided

### IT MUST BE NOTED

- Once a paper has been submitted online, the publisher (EDP Sciences) only permits changes in cases of serious scientific error. In those cases, an erratum or a note is published according to the practices of professional scientific publishing.
- Publishing an erratum after online publication of the proceedings will be charged 300€ (Euros) per article by the publisher, except if the error is on the part of the Publisher.

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**SUBMIT BY**  
**10 June (FINAL EXTENSION)**

<https://www.confTool.com/eosam2021>

[www.eosam2021.org](http://www.eosam2021.org)

### IMPORTANT DATES

**Submission opened**  
Sunday, 28 February 2021

**Submission closes (FINAL EXTENSION)**  
Thursday, 10 June 2021

**Conference Program - Overview (extended)**  
Thursday, 8 July 2021

**Informing authors about acceptance (extended)**  
Thursday, 1 July 2021

**Speaker registration (extended)**  
Thursday, 15 July 2021

**Conference Program - Final (extended)**  
Thursday, 22 July 2021

**Conference dates**  
Monday—Friday,  
13—17 September, 2021

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