



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

### CALL FOR PAPERS: TOPICAL MEETING (TOM) ON SILICON PHOTONICS AND GUIDED-WAVE OPTICS

#### SYNOPSIS

The focus of this topical meeting is to explore new trends and applications, particularly, in the field of silicon photonics, but also in guided-wave optics and related areas. All applications are welcome, ranging from devices for data centre applications to Mid Infrared (MIR) sensing, and from LIDAR to Quantum Photonics. New developments on fibre and planar waveguide lasers, fibre non-linearities, nanophotonic materials and devices will also be welcome. We particularly welcome emerging applications such as Artificial Intelligence, 3D Imaging, and Programmable Photonics to mention but three.

#### TOPICS

Topics include, but are not limited to:

- ◆ design, simulation, modelling and fabrication of optical interconnects
- ◆ optical on chip routing architectures and technologies and related design concepts for high speed
- ◆ low power photonic integrated circuits (PICs)
- ◆ CMOS-compatible optical sources and detectors
- ◆ optimization of light emission and absorption for data processing using materials such as SiGe, SiN, TaO<sub>5</sub>, III/IVs, etc.
- ◆ advanced monolithic and hybrid processing techniques for the fabrication of photonic structures
- ◆ devices and strategies for the advancement of PICs in silicon and other materials, including advances in testing and packaging.

#### CHAIRS



**Graham Reed**  
University of  
Southampton (UK)



**Pavel Cheben**  
National Research  
Council Canada (CN)

#### PROGRAM COMMITTEE

- ◆ **Inigo Molina Fernandez**, University of Malaga (ES)
- ◆ **Laurent Vivien**, Université Paris Saclay (FR)
- ◆ **Hon-Ki Tsang**, The Chinese University of Hong Kong (HK)
- ◆ **Hong Wang**, NTU, Singapore (SG)
- ◆ **Milan Milosevic**, University of Southampton, (UK)
- ◆ **Andrew Knight**, McMaster University, (CA)

#### SPECIAL INVITED SPEAKERS

- ◆ **Roberto Morandotti**, INRS Montreal (CA)
- ◆ **Eli Yablonovitch**, UC Berkeley (US)

#### INVITED SPEAKERS

- ◆ **Daniel Benedikovic**, Université Paris Sud (FR)
- ◆ **Luca Razzari**, INRS (CA)
- ◆ **Rainer Hainberger**, Austrian Institute of Technology (AT)
- ◆ **Alejandro Sanchez Postigo**, University of Malaga (ES)
- ◆ **Thomas Krauss**, University of York (UK)
- ◆ **Haisheng Rong**, Intel (US)
- ◆ **Ke Li**, University of Southampton (US)
- ◆ **Winnie Ye**, Carleton University (CA)
- ◆ **Goran Mashanovich**, University of Southampton (UK)
- ◆ **Aaron Zilkie**, Rockley Photonics
- ◆ **Daniele Melati**, CNRS /Paris Saclay (FR)



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!	
	<a href="https://jeos.springeropen.com">https://jeos.springeropen.com</a>

## 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

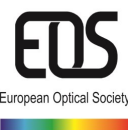
**Dr. Remus Nicolaescu**  
Pointcloud, US

**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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