

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

CALL FOR PAPERS: TOPICAL MEETING (TOM) ON OPTICAL MICRO-SYSTEMS (O μ S)

SYNOPSIS

This is the 9th edition of O μ S, the TOM of EOS wholly dedicated to Optical Micro-Systems. The Meeting is dedicated to the devices and systems taking advantage of the progress in micro- and nano-technologies to integrate in a smart way optical devices with electronic, mechanical and sensing components. The increasing interest in this field arises from the perspective applications that would significantly improve the quality of life. Optical-micro-systems are finding applications not only in ICT, but also in biotechnologies, medicine, food and environmental monitoring, aerospace and automotive, homeland security, energy conversion, etc. The conference program will focus on fundamental as well as more applied issues. Biosensors, biochips and lab-on-chips, microfluidic and optofluidic systems, nonlinear and quantum optical integrated devices, neuromorphic optical circuits and photonic Artificial Intelligence, integrated optoelectronics and MOEMS, chemical and physical optical micro/nanosensors, new characterization methods for materials and devices, novel imaging techniques, biomimetic devices and systems, optical systems for energy conversion and management are among the hot topics of the conference

TOPICS

- Optical micro/nano sensors and systems
- Biophotonics, biosensors and biochips
- Microfluidics and optofluidics
- Bio-inspired optical technologies, optical biomimetic devices and systems
- Neuromorphic circuits and Photonic Artificial Intelligence
- Optical microscopy, imaging and characterization methods
- Optical materials for hybrid and monolithic integration
- Terahertz devices and systems
- Integrated non-linear and quantum optical devices and technologies
- Integrated organic optical devices, sources and lasers
- Optoelectronics, microoptics and optical devices based on novel concepts
- Application of integrated optical devices and systems
- Aerospace photonics
- Devices and systems for energy conversion

SPECIAL INVITED SPEAKERS

- ◆ **Alberto Diaspro**, University of Genova and Italian Institute of Technology (IT)
- ◆ **Francesco Pavone**, University of Florence and European Laboratory for non-linear spectroscopy (IT)
- ◆ **Demetri Psaltis**, École polytechnique fédérale de Lausanne (CH)
- ◆ **Fabio Sciarino**, University of Rome La Sapienza (IT)
- ◆ **Marin Solijacic**, Massachusetts Institute of Technology (US)
- ◆ **Luisa Torsi**, University of Bari (IT)
- ◆ **Gordon Wetzstein**, Stanford University (US)

CHAIRS



Ivo Rendina
National Research Council (IT)



Eugenio Fazio
Sapienza University of Rome (IT)



Pietro Ferraro
National Research Council (IT)

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- ◆ **Bahram Jalali**, UCLA / Ca (US)
- ◆ **Bahram Javidi**, University of Connecticut (US)
- ◆ **Lisa Miccio**, Consiglio Nazionale delle Ricerche (IT)
- ◆ **Francesco Merola**, Consiglio Nazionale delle Ricerche (IT)
- ◆ **Fredrik Laurell**, The Royal Institute of Technology, KTH (SE)
- ◆ **Humberto Michinel**, University of Vigo (SP)
- ◆ **Alberto Diaspro**, Istituto Italiano di Tecnologia (IT)
- ◆ **Zeev Zalevsky**, Bar-Ilan University (IL)
- ◆ **Graham Reed**, University of Southampton (UK)
- ◆ **Luca De Stefano**, Consiglio Nazionale Ricerche (IT)
- ◆ **Ralph Peter Tatam**, Cranfield University (UK)

INVITED SPEAKERS

- ◆ **Daniel Brunner**, Institut FEMTO, Univ. Bourgogne-Franche Comté (FR)
- ◆ **Giberto Chirico**, University of Milano Bicocca (IT)
- ◆ **Luciano De Sio**, University of Rome La Sapienza (IT)
- ◆ **Luca Gavioli**, Catholic University – Brescia Campus (IT)
- ◆ **Alessia Irrera**, National Research Council (IT)
- ◆ **María Moros**, University of Zaragoza (ES)
- ◆ **Pascal Picart**, Le Mans Université - LAUM CNRS (FR)
- ◆ **Bert Jan Offrein**, IBM Research GmbH, Zurich (CH)
- ◆ **Enrico Prati**, National Research Council (IT)
- ◆ **Roberto Rella**, National Research Council (IT)
- ◆ **Cinzia Sada**, University of Padova (IT)
- ◆ **Andreas E. Vasdekis**, University of Idaho (US)
- ◆ **Raffaele Velotta**, University of Naples Federico II (IT)



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

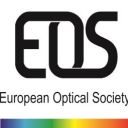
Dr. Remus Nicolaescu
Pointcloud, US

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

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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