

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

CALL FOR PAPERS: TOPICAL MEETING ON COMPUTATIONAL, ADAPTIVE AND FREEFORM OPTICS

SYNOPSIS

The focus of this topical meeting will be to explore and discuss new trends and developments within the fast evolving field of optical systems that have their functionality enhanced by freeform optical surfaces, adaptive optics and computational imaging.

Freeform optical components -refractive as well as reflective- offer great opportunities to realize non- or low-symmetry optical systems with new functionalities, high optical performance or reduced complexity. This implies in particular to illumination systems and to optical systems with very special requirements such as in applications to augmented reality and virtual reality. On the other side the manufacturing, characterization, assembly and optical testing of such systems is especially for imaging systems still challenging. Imaging with freeform optical systems is therefore closely linked to adaptive and computational methods.

The evaluation of imaging and metrology data by computational post-processing enables the extraction of previously inaccessible information. Adaptive illumination systems optimize the information gathered from the photons that interact with the object. In freeform, lensless and disordered imaging systems, diffraction and scattering yields patterns from which image information can be retrieved through calculations, reducing the optical complexity or even completely eliminating the lens system.

The topical meeting will address how new tools and technologies are enabling next generation optical systems based on freeform, adaptive and computational optics and their interplay.

TOPICS

- Computational Optics
- Freeform optics
- Optics for AR/VR systems
- Illumination optics
- Adaptive optics
- Information driven systems

CHAIRS



Wilbert IJzerman,
Signify (NL)



Alois Herkommer,
Universität Stuttgart (DE)

PROGRAM COMMITTEE

- ◆ Aurele Adam, TU Delft (NL)
- ◆ Youri Meuret, KU Leuven (BE)
- ◆ Norbert Kerwien, Zeiss (DE)
- ◆ Wilbert IJzerman, Signify (NL)
- ◆ Alois Herkommer, University of Stuttgart (DE)

INVITED SPEAKERS

- ◆ Vladimir Olikier, Emory College of Arts and Sciences (US)
- ◆ Frank Wyrowski, Friedrich Schiller University of Jena (DE)
- ◆ Fabian Duerr, Vrije Universiteit (BE)

TUTORIAL

- ◆ Julius Muschaweck, JMO GmbH (DE)

IMPORTANT DATES

Submission opened
Sunday, 28 February 2021

Submission closes (FINAL EXTENSION)
Thursday, 10 June 2021

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

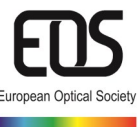
Informing authors about acceptance (extended)
Thursday, 1 July 2021

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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SAPIENZA
UNIVERSITÀ DI ROMA



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!	Journal of the European Optical Society
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

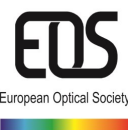
Dr. Remus Nicolaescu
Pointcloud, US

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

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