

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

CALL FOR PAPERS: TOPICAL MEETING ON ULTRAFAST OPTICAL TECHNOLOGIES AND APPLICATIONS

SYNOPSIS

The unique properties of ultrashort laser pulses have revolutionized numerous areas in science and industry. Most of these breakthroughs have been intrinsically tied to the successful development of state-of-the-art ultrafast technologies. The purpose of the TOM is to bring together both the developers and the users of ultrafast optical technologies. The focus of this topical meeting is an open discussion on the current state-of-the-art and future developments, especially focusing on technological aspects. This overview on the advancements in generation and characterization of ultrafast optical pulses will enable a stimulating discussion of new research trends and emerging application fields.

TOPICS

- Femtosecond and picosecond pulse generation from solid state, fiber, semiconductor and waveguide sources
- Mode-locked lasers
- Ultrafast amplifier technologies
- Few-cycle optical pulse generation
- Novel gain materials for ultrafast laser sources
- Compression of ultrashort pulses
- Supercontinuum generation based on ultrashort pulses
- Characterization methods for ultrafast pulses
- Shaping of femtosecond laser pulses
- Carrier-envelope phase characterization and stabilization
- Ultrafast nonlinear parametric systems
- Ultrashort-pulse mid-IR generation and applications
- Ultrashort THz pulse generation and applications
- New approaches for dispersion management
- Technological aspects of micro-machining with ultrashort pulses
- Technological aspects of advanced microscopy with ultrashort pulses
- Technological aspects of attosecond pulse generation
- Technological aspects of high harmonic generation
- Technological aspects ultrafast spectroscopy
- Emerging applications for ultrafast technology

INVITED SPEAKERS

- ◆ **Andrius Baltuska**, TU Wien (AT)
- ◆ **Michael Chini**, CREOL, University of Central Florida (CA)
- ◆ **François Legare**, Institut national de la recherche scientifique (CA)
- ◆ **Derryck T. Reid**, Heriot-Watt University, Edinburgh (UK)
- ◆ **Jorge Rocca**, Colorado State University (US)
- ◆ **Goery Genty**, Tampere University (FI)
- ◆ **Amina Hussein**, University of Alberta (US)
- ◆ **Clara Saraceno**, Ruhr University Bochum (DE)
- ◆ **John Travers**, Heriot-Watt University (UK)
- ◆ **Scott Diddams**, Colorado University (US)
- ◆ **Aleksandra Foltynowicz Matyba**, Umeå University (SE)
- ◆ **Ioachim Pupeza**, Max Planck Institute of Quantum Optics (DE)
- ◆ **Jaroslav Sotor**, Wroclaw University of Science and Technology (PL)
- ◆ **Frank Wise**, Cornell University (US)

CHAIRS



Thomas Südmeyer
University of Neuchâtel (CH)

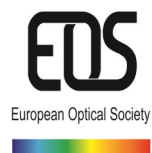


Oliver Heckl
University of Vienna (AT)

PROGRAM COMMITTEE

- ◆ **Thomas Allison**, Stony Brook University (US)
- ◆ **Fetah Benabid**, Xlim (FR)
- ◆ **Giulio Cerullo**, Politecnico di Milano (IT)
- ◆ **Hanieh Fattahi**, Max Planck Institute (DE)
- ◆ **Almantas Galvanauskas**, University of Michigan (US)
- ◆ **Regina Gumenyuk**, Tampere University of Technology (FI)
- ◆ **Christoph Heyl**, DESY and Helmholtz Institute Jena (DE)
- ◆ **Constantin Häfner**, Fraunhofer Institut für Lasertechnik ILT (DE)
- ◆ **Patrick Georges**, Laboratoire Charles Fabry de l'Institut d'Optique (FR)
- ◆ **Ronald Holzwarth**, Menlo Systems GmbH (DE)
- ◆ **Takuro Ideguchi**, The University of Tokyo (JP)
- ◆ **Gil Porat**, University of Alberta (CA)
- ◆ **Jan Rothhardt**, Helmholtz Institute Jena (DE)
- ◆ **Lucile Rutkowski**, Université de Rennes (FR)
- ◆ **Grzegorz Sobon**, Politechnika Wroclawska (PL)
- ◆ **Catherine Yuriko Teisset**, TRUMPF Scientific Lasers GmbH+Co (DE)
- ◆ **Chaitanya Suddapalli**, ICFO (ES)
- ◆ **Amelie Zair**, King's College London (UK)
- ◆ **Ladan Arissian**, NIST The University of New Mexico (US)

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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

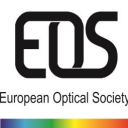
Dr. Remus Nicolaescu
Pointcloud, US

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.
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IT MUST BE NOTED

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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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