



## The European Optical Society Newsletter 1/2019

Dear EOS Member,

We have a fresh start to the new year 2019 with a brand new website! Have a look:

<https://www.europeanoptics.org>

On the website, you can find

- our monthly newsletters
- event listings
- upcoming schools and courses
- updated member benefits (updated constantly as new benefits arise)
- current information on elections, awards, and fellows, and so much more...

Becoming a member, and renewing the individual membership yearly can be done via the member area where you can create a user account. You can select the perfect membership mode and benefits, suited to your needs (individuals, corporates, institutes, etc.).

Remember to follow us on Twitter, now [@europeanoptics.org](https://twitter.com/europeanoptics.org)

Facebook: [EuropeanOpticalSociety](https://www.facebook.com/EuropeanOpticalSociety)

LinkedIn: [European Optical Society Group](https://www.linkedin.com/company/European-Optical-Society-Group)

The image shows a screenshot of the EOS website homepage with several green dashed boxes and arrows highlighting key features:

- A box labeled "BUY/RENEW INDIVIDUAL EOS MEMBERSHIP" points to the "Members" link in the top navigation menu.
- A box labeled "LATEST NEWS AND UPDATES" points to the "About EOS" link in the top navigation menu.
- A box labeled "OPTICAL TECHNOLOGIES" points to the main banner area.
- A box labeled "UPCOMING EVENTS" points to the "CHECK THE LIST OF UPCOMING EVENTS" button.
- A box labeled "FOLLOW EOS ON SOCIAL MEDIA: LATEST TWEETS AND FACEBOOK" points to the social media widget.
- A box labeled "...AND MUCH MORE." points to the website URL [www.europeanoptics.org](https://www.europeanoptics.org).

The website content includes the EOS logo, navigation menu, a main banner for "OPTICAL TECHNOLOGIES" with a call to action to "Submit to the EOS Optical Technologies Conferences", and a section for "UPCOMING EVENTS" listing the "Manufacturing, Tolerancing and Testing of Optical Systems" conference.

# EOS fighting for KET Photonics in Europe

The European Optical Society (EOS) has sent a letter to the Commissioner of the Digital Economy and Society in Europe, expressing concerns about the European Commission's funding decisions. Within the forthcoming European research framework program Horizon Europe, KET Photonics (started in 2009) is not listed among the nine priority technological intervention areas in Europe. This would mean that photonics would no longer be a specific part of the European priorities and thus the funding for Photonics in H2020 would no longer be certain and Photonics Public-Private-Partnership would not be renewed.

The EOS is not alone in these concerns, and many others have also reached out to make a change. Read more about the participation of Nobel laureates: <https://www.electrooptics.com/news/nobel-laureates-and-european-optical-society-urge-ec-prioritise-photonics-funding>

EOS has asked all National Optical Societies to do everything in their power to help the cause and influence the decision makers.

## CALL FOR PAPERS:

# Submission now open for the EOS Optical Technologies Conferences

EOS Optical technologies conferences include:

[6th Conference on Manufacturing, Tolerancing and Testing of Optical Systems \(MOS\)](#)

[5th Conference on Optofluidics](#)

Advancements in technology and innovative manufacturing processes are crucial for optical sector growth in today's global markets. Markets with high developmental momentum include the energy and semiconductor, life sciences, health care and the agri-food industries. Optical technologies play a crucial role in these markets, the importance of sophisticated but economically priced optical components being vital to new products and applications.

EOS Conferences are held under the umbrella of the World of Photonics Congress 2019, the leading international congress for optical technologies in Europe (22-27 June 2019).

# 6th Conference on Manufacturing, Tolerancing and Testing of Optical Systems (MOS)

## **Chairs**

Oliver Föhnle, FISBA AG (CH)

Sven Schröder, Fraunhofer Institute (DE)

## **Synopsis**

The conference on Manufacturing, Tolerancing and Testing of Optical Systems will highlight significant technology trends, emerging technologies and associated prospective developments in the field of optics fabrication and testing. This conference provides a forum for all aspects of optics fabrication, tolerancing, and testing, ranging from micro to large-scale optics and from high value one-off to mass-produced components including lessons learned papers on special manufacturing issues such as polishing process stability and finishing processes for high-end optics, optics featuring clear apertures below 1 mm or above 100 mm in diameter. One main goal of the meeting is to provide a better link between the design, the manufacturing, and the characterization of optical components and systems. For the second time, there will be a reviewed industrial poster session displayed during the whole conference with companies presenting their key technology competences.

## **Topics**

The topics range from Optics Design&Tolerancing up to Optics Fabrication&Applications

- Design and Tolerancing of challenging optical systems
- Optics Fabrication, from single piece to High-Volume Fab, from sub-millimeter optics to meter optics and wafer-level optics
- Testing, Specification, and Characterization of Light Scattering,
- Roughness, Shape, Defects, subsurface damage, MTF and mid-spatials
- Finishing methods, e.g. SPDT, MRF, IBF, ductile grinding, FJP, laser polishing, CCP and traditional polishing
- Optimization techniques in optics fabrication
- Fabrication friendly Optical Design and Tolerancing
- Lessons learned producing high level aspheres and freeform optics
- Young start-ups presenting their innovative key-competence they are daring to make happen

## **Program Committee**

- Dr. (PhD) Stefan Bäumer, TNO (NL)
- Olaf Dambon, Fraunhofer Institut für Produktionstechnologie IPT (DE)
- Richard Freeman, Zeeko Ltd (UK)
- Frank Frost, Leibniz-Institut für Oberflächenmodifizierung e.V. (DE)
- Roland Geyl, SAFRAN A.S. group (FR)
- Luisa Coriand, Lenstec (DE)
- Norbert Kerwien, Carl Zeiss AG (DE)
- Sven Kiontke, Asphericon (DE)
- Prof. Jiri Novak, Czech Technical University in Prague (CZ)
- Prof. Rolf Rascher, THD- Technische Hochschule Deggendorf (DE)

- Massimiliano Rossi, Media-Lario (IT)
- Marcus Trost, Fraunhofer IOF (DE)
- Prof. David Walker, UK
- Marco Hanft, Carl Zeiss AG (DE)
- Prof. Xuejun Zhang (China)
- Prof. Hui Wangh (China)
- Jessica Nelson, Optimax, USA

## SUBMISSION

**Submission time frame: January 10 - March 21, 2019**

Submissions are accepted for oral and poster presentations. Companies have a choice to submit an industrial poster.

**Submit:** [www.conftool.com/wpc2019](http://www.conftool.com/wpc2019)

All 2-page abstracts submitted and presented at the conference will be added to the proceedings, published with EDP Sciences, in the Web of Conferences. The authors retain the copyright of their abstracts. The proceedings are indexed in main data bases and available online after the conference.

At least one author is requested to register for the meeting.

Read the [Submission guidelines and download the templates](#) before starting the submission process.

### **Industrial Poster for MOS Conference:**

Industrial posters will be reviewed by the program committee of the Manufacturing, Tolerancing, and Testing of Optical Systems (MOS) conference.

If the submission is accepted, it will be visible in the conference room for the whole duration of the conference.

The intention of the poster is to present the know-how of the company (rather than marketing products). The abstract you submit is meant solely to describe to the program committee what your poster will contain, and it will not be published in the proceedings of the conference

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# 5th Conference on Optofluidics

## **Chairs**

Andreas Vasdekis, University of Idaho (US)

Demetri Psaltis, École Polytechnique Fédérale de Lausanne (CH)

## **Synopsis**

Optofluidics emerged approximately 10 years ago aiming at the fusion of integrated optics with microfluidics. Since then, a wealth of new scientific principles and technologies have emerged. Through this conference, the latest developments in Optofluidics will be explored, serving as one of the main meeting points of the international optofluidics community.

## **Topics**

- Photonics  
fundamental linear and non-linear optics, lasers, sensors, microscopy, optical tweezers
- Health and Biology  
Single-cell and single-molecule methods, drug delivery, ultra-high throughput screening
- Imaging  
integration, time-stretching, image processing, big-data
- Handheld Devices  
mHealth, portable diagnostics
- Energy – Environment  
photobioreactors, biophysics, optofluidics of plants
- Transport  
optics, microfluidics, computational methods
- Micro-Fabrication  
prototyping, 3D and 4D particle generation, BioMEMS
- Hybrid Integration  
integrated optics (SERS, waveguides, resonators), electronics, and applications
- Soft Matter  
liquid crystals, vesicle photonics
- Industry  
industrial applications, related technologies and products

## **Plenary Speaker**

Hatice Altug, École polytechnique fédérale de Lausanne (EPFL), Switzerland

## **Invited Speakers**

- Anupam Sengupta, University of Luxembourg, Luxembourg
- Thomas F. Krauss, University of York, United Kingdom
- Ivan I Smalyukh, University of Colorado Boulder, United States of America
- Andrew deMello, ETH Zürich, Switzerland
- Christophe Moser, EPFL, Switzerland

[See Invited Speaker introductions here.](#)

## Programme Committee

- Anders Kristensen, Technical University of Denmark, Denmark
- Lynn Paterson, Herriot-Watt University, United Kingdom
- David Erickson, Cornell University, United Kingdom
- Holger Schmidt, University of California at Santa Cruz, United States of America

## SUBMISSION

**Submission time frame: December 10, 2018 - February 25, 2019**

**Submit:** [www.conftool.com/wpc2019](http://www.conftool.com/wpc2019)

All 2-page abstracts submitted and presented at the conference will be added to the proceedings, published with EDP Sciences, in the Web of Conferences. The authors retain the copyright if their abstracts. The proceedings are indexed in main data bases and available online after the conference.

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# EOS Annual General Assembly

The General assembly was last held for all EOS members in Delft, 10 October 2018, during the EOSAM event. At this meeting, the society presents the activities done since the last assembly, decisions made, and plans for the future. The assembly is held once a year. Each EOS member has a vote, and any member can suggest an item for the agenda of the meeting.

You may download the minutes of the last assembly by following this link: [https://1drv.ms/b/s!AqzDAug5-4g8oUPmpUKmg\\_A12\\_83](https://1drv.ms/b/s!AqzDAug5-4g8oUPmpUKmg_A12_83)

The next Annual General Assembly will be held in Munich, Germany, during the EOS Optical Technologies conferences (part of the World of Photonics Congress), 24-26 June 2019. P.s. Submission to the conferences is still open: <https://www.europeanoptics.org/events/eos/wpc2019.html>

# Co-operation with other societies

The EOS has renewed co-operating agreements with the following societies until end of the year 2020:

- Japan Society of Applied Physics, JSAP
- Optical Society of Korea, OSK
- Taiwan Photonics Society, TPS

In addition, the agreement with the Optical Society of Japan, OSJ, is valid until end of 2019.

All EOS members are entitled to reduced registration rates at the events of these societies.

**[READ MORE](#)**

# EOS co-sponsored events

EOS gives promotional support to selected events. EOS Members are entitled to reduced registration rates at these events. To see the upcoming co-sponsored events, see our events listing:

<https://www.europeanoptics.org/events/>

If you would like to receive support from the European Optical Society for your event, and benefit from our vast networks, send us an application.

[READ MORE](#)

## QUESTIONS?

Contact us at the EOS office:

info@europeanoptics.org

+358 50 592 4693

Information on the Newsletter:

This is the first EOS Member newsletter in 2019.

You are receiving the newsletter, as a member of the European Optical Society (EOS). Membership can be either direct or through a national optical society.