

26. Weltleitmesse und Kongress
für Komponenten, Systeme und Anwendungen der Photonik
25. bis 30. Juni 2023, Messe München

26th World's Leading Trade Fair and Congress
for Photonics Components, Systems and Applications
June 25–30, 2023, Messe München, Germany

world-of-photonics.com



Munich, June 05, 2023

Press Release

World of Photonics Congress 2023

Comprehensive insights into the world of photonics

- **Five scientific conferences and about 3,600 presentations**
- **Networking event for the international scientific elite**
- **Nobel prize winner Donna Strickland will hold the plenary talk**

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After four years, the international scientific elite from the photonics industry once again has the opportunity to gather and exchange ideas live in Munich when the World of Photonics Congress takes place in the ICM – International Congress Center Messe München – from June 25 to 30, 2023. This year, the most important congress for the industry in Europe will be flanked by three trade fairs taking place in parallel: LASER World of PHOTONICS, World of QUANTUM and automatica.

Five conferences with a total of about 3,600 scientific presentations and poster sessions make the World of Photonics Congress a superlative industry event. “The congress covers all aspects of photonics, and combines the latest research, innovative technologies and industrial applications in unique ways. Nobel prize winners, scientists and students will meet there to exchange knowledge and network,” says Exhibition Director Anke Odouli. In the plenary talk for the World of Photonics Congress, Dr. Tammy Ma and Prof. Constantin Häfner will talk about a top issue in the industry: The potential of laser-driven inertial confinement fusion (June 27, 2:00-3:30 p.m., room 1). New this year is an overarching diversity program that aims to raise awareness of diversity, equality and inclusion within the photonics community through workshops, discussion groups and networking events.

The World of Photonics Congress conference program

Five separate conferences will take place under the umbrella of the World of

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Photonics Congress, covering the entire spectrum from basic research to application-oriented development. World-leading research institutes and companies from the field of photonics are behind the organization and the extensive lecture program.

Here are the details on the conferences and their respective plenary speakers:

- **CLEO® / Europe – EQEC 2023** is Europe's largest conference for photonics and related fields of research. CLEO® / Europe presents the latest developments in a broad spectrum of laser and photonics areas, while EQEC covers the basics of quantum optics. The program comprises presentations, tutorials, poster sessions and short courses. In the plenary talk, Nobel Prize winner Prof. Donna Strickland will talk about the topic "From Nonlinear Optics to High-Intensity Laser Physics" (June 26, 4:00-5:30 p.m., room 1). CLEO® / Europe – EQEC 2023 is organized by the European Physical Society (EPS), OPTICA (formerly OSA) and the IEEE Photonics Society.

> [Interview about CLEO](#)

> [Interview about EQEC](#)

- **LiM – Lasers in Manufacturing** concentrates primarily on the fields of macro-applications, micro-applications and additive manufacturing in its three sub-conferences, and is organized by the Wissenschaftliche Gesellschaft Lasertechnik und Photonik (Scientific Society for Laser Technology and Photonics). The plenary talk with Valeria Tirelli and Dr. Maria Farsari will address the topics of additive manufacturing for sustainable hydraulic solutions and 3D micro-nanoprinting using light (June 26, 10:30-12:30 a.m., room 13b).

> [Interview about LiM](#)

- The trends and perspectives of **Digital Optical Technologies** are the focus of the conference of the same name, which is organized by SPIE Europe. These include innovative optics for augmented, mixed and virtual reality systems, as well as digital optics for picture generation and sensors. Dr. Sanjay Gangadhara, Senior Program Director for Optics at Ansys, will focus his plenary talk on the

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topic of “End-to-end simulation in propelling the new wave of optics and photonics innovation” (June 26, 9:00-10:00 a.m., room 21).

> [Interview about Digital Optical Technologies](#)

- Another conference organized by SPIE Europe is **Optical Metrology**. This concentrates on the latest research in the fields of measurement systems, modeling, videometrics and inspection. In his plenary talk, Prof. Zeev Zalevsky from the Israeli Bar-Ilan University will present a photonic sensor that can be used for the simultaneous and continuous remote sensing of many biomedical parameters (June 28, 10:30-11:25 a.m., room 1).

> [Interview about Optical Metrology](#)

- The **European Conferences on Biomedical Optics (ECBO)** are concerned with optical and biophotonic technologies for diagnostics and therapeutics. The Plenary Talk from Prof. Melissa Skala, University of Wisconsin, and Prof. YongKeun Park, KAIST University, will cover the topics of “Fluorescence lifetime imaging of NAD(P)H and FAD to monitor immune cell metabolism and function” and “Holotomography and artificial intelligence: label-free 3D imaging, classification, and inference of live cells and organoids” (June 26, 2:00-3:30 p.m., room 5). The conference is organized by SPIE and Optica.

> [Interview about ECBO](#)

You can find the session overview [here](#).

Please find this press release including images for download at [LASER newsroom](#).

About the LASER World of PHOTONICS

The LASER World of PHOTONICS is the world's leading platform for the laser and photonics industry. Europe's largest World of Photonics Congress is part of the trade fair. The program comprises a number of scientific conferences held by globally leading organizations. In addition, Messe München offers practical presentations on photonics applications (“Application panels”). The LASER World of PHOTONICS has been held every two years since 1973; the next edition will be held from June 27 to 30, 2023, in Munich, the next World of Photonics Congress parallelly from June 25 to 30, 2023 at the ICM - Internationales Congress Center München. LASER World of PHOTONICS will also feature the second running of World of QUANTUM, the leading platform for the international quantum community.

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About the global network of LASER World of PHOTONICS

The LASER World of PHOTONICS has established an international network. The LASER World of PHOTONICS CHINA and the LASER World of PHOTONICS INDIA are regional leading trade fairs for lasers and optical technologies, and are organized annually in China (Shanghai and Shenzhen) and India (switching between Bengaluru, Mumbai and New Delhi) respectively. With the trade fairs in Munich, China and India, Messe München is the world's leading trade fair organizer for lasers and photonics.

About Messe München

Messe München is one of the leading exhibition organizers worldwide with more than 50 of its own trade shows for capital goods, consumer goods and new technologies. Every year, a total of over 50,000 exhibitors and around three million visitors take part in more than 200 events at the exhibition center in Munich, at the ICM – Internationales Congress Center München, the Conference Center Nord and the MOC Veranstaltungszentrum München as well as abroad. Together with its subsidiary companies, Messe München organizes trade shows in China, India, Brazil, South Africa and Turkey. With a network of associated companies in Europe, Asia, Africa and South America as well as around 70 representations abroad for over 100 countries, Messe München has a global presence.