

***International Commission for Optics (ICO),
"The Place where the World of
Optics and Photonics Meets"***

***ICO-25-OWLS-16-Dresden-Germany-2020
31 August to 4 September 2020 (Monday-Friday)***

***Webpage
www.ico25.org***



Theme: "Progress of Society with Light"

Dresden, Germany



Dresden:

- Founded 1206
- 12th largest city in Germany, 525.105 inhabitants, third most populous city in the area of former East Germany
- Capital of federal state Saxony
- ...in the valley of the river Elbe
- GPS: 51.050407; 13.737262
- Flights to Dresden via Frankfurt or Munich
- Flights to Berlin or Prague together with taking the Train (about 2 hours)

Dresden,
Germany



TU Dresden: Heart of Research and Higher Education in Dresden

TU Dresden - History

- 1828 founded as Technische Bildungsanstalt
- 1890 Königlich Sächsische Technische Hochschule (TH)
- 1945 almost completely destroyed
- 1946 re-opened as Technische Hochschule (TH)
- 1961 Technische Universität (TU) Dresden
- 1990 new faculties, comprehensive university
- 2012 identified as University of Excellence**



History

- **In 1990, the ICO General Congress was held in Garmisch-Partenkirchen, Germany (ICO-15). After 30 years, ICO will come back to Germany. It is our great pleasure to host the ICO Congress in our country again.**
- **The OWLS will celebrate in memory of its foundation on the ICO-15 in Garmisch-Partenkirchen 1990 their 30th anniversary: OWLS-16-2020**



Objectives

- **ICO-25-OWLS-16-2020-Dresden-Germany:**
 - Theme "Progress of Society with Light": Making aware the benefits of Laser Technology to Society
 - ICO as Umbrella Organization with 7 scientific organizations (OSA, SPIE, IEEE, EOS,...), covering all crucial topics of Optics and Photonics (Engineering, Applied Research, Fundamental Research)
 - World Congress: Most important congress around the world (over 40 countries of 5 continents) with support of underdeveloped and developing countries (e.g. grants)
 - Quality ... Quality ... Quality

The 25th Congress of the International Commission for Optics, ICO-25

Chair of Program Committee of ICO-25: Wolfgang Osten

- 1) Optical Engineering, Design and Lithography
- 2) Display and Vision
- 3) Optical MEMS and Micro-Optics
- 4) Laser Sensing
- 5) Computational Metrology
- 6) Optical Information Processing and Optical Imaging
- 7) Quantum and Nonlinear Optics
- 8) Ultrafast Phenomena and Ultrafast Optics
- 9) High Power Lasers and Applications
- 10) X-Ray and High-Energy Optics
- 11) Nano-Optics, Resonant Nanophotonics and Metamaterials
- 12) Photonic Crystals, Nano Structures and Functions
- 13) Fiber Optics
- 14) Optical Communications and Photonic Network
- 15) Optoelectronics, Terahertz Photonics and Silicon Photonics

The 16th International Conference on Optics Within Life Sciences, OWLS-16

Chair of Program Committee of OWLS-16: Alexander Heisterkamp

- 16) Microscopy, Biomedical Spectroscopy and Advanced Imaging
- 17) Biomechanics, Optical Elastography and BioBrillouin
- 18) Biomedical Optics
- 19) Biophotonics, Optogenetics and Nanosensing





ICO-25 • 31 August - 04 September 2020 • OWLS-16

25th Congress of the International Commission for Optics (ICO) • 16th International Conference on Optics Within Life Sciences (OWLS)

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***Deadline for papers:
January 31st 2020***

***Abstract acceptance / grants application:
April 2020***

***Programme issue:
June 2020***

***Early bird registration deadline:
July 31st 2020***



Save
**SAVE
THE
DATE**



The 25th Congress of the International Commission for Optics
(ICO) – ICO-25, 2020 Dresden, Germany



www.ico25.org



International Society on
Optics Within Life Sciences
Non-Profit Organization established on August 13, 1990

30 Years of International Society on Optics Within Life
Sciences (OWLS) – Light in Life Sciences, Medical Optics and
Biophotonics - 16th International Conference on Optics
Within Life Sciences (OWLS-16), Dresden, Germany, 2020