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

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International Society on Optics Within Life Sciences
OWLS
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