

Organized and supported by

CAOL2019

September 06-08, 2019, Sozopol, Bulgaria

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IEEE Photonics Society Ukraine Chapter
V. N. Karazin Kharkiv National University, Ukraine
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Technical University of Sofia, Bulgaria
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Bulgarian Academical Association of Metrology
Institute of Physics, National Academy of Sciences of Ukraine
Ministry of Education and Science of Ukraine
National Scientific Centre "Institute of Metrology"

The 8th International Conference on Advanced Optoelectronics and Lasers will be held in Sozopol the Hotel "Military-Marine Club", Street Respublikanska 18, Bulgaria, **September 06 – 08, 2019.**

Scientific Workshop on Data Science in Modern Optoelectronics and Laser Engineering (DSMOLE2019)

Scientific Workshop "Measurement Uncertainty: scientific, normative, applied and methodical aspects" (UM2019).

CAOL2019 & WORKSHOPS EXPECTED INVITED SPEAKERS:

Miguel Andrés, University of Valencia, Spain; Richard M. De La Rue, University of Glasgow, UK; Edik U. Rafailov, Aston University, UK; Philippe Roy, XLIM, France; Pere Perez Millan, FYLA Laser, Valencia, Spain; Igor Meglinski, University of Oulu, Finland; Igor Aizenberg, Manhattan College, USA; Zygmunt L. Warsza, PIAP, Warszawa, Poland; Grigorii Sokolovskii, Ioffe Physical-Technical Institute, Russia; Aleksandr Bekshaev, Odessa I. I. Mechnikov National University, Ukraine; Viktor Kotlyar, Samara National Research University, Russia; Sergey Tarapov, O. Ya. Usikov Institute for Radiophysics and Electronics, Kharkiv, Ukraine; Alexis Kudryashov, Active Optics NightN Ltd, Russia; Sergey L. Prosvirnin, Institute of Radio Astronomy, Kharkiv, Ukraine; Andrey L. Stepanov, Kazan E. K. Zavoisky Physical-Technical Institute, Russia; Fedir F. Sizov, V. Lashkaryov Institute of Semiconductor Physics, Kyiv, Ukraine; etc.

SUBMISSIONS:

Due date for submission of camera-ready manuscripts is **May 15, 2019**. The length of manuscript shall be 4-6 pages. All accepted contributions will be submitted to IEEE Xplore Digital Library. Usually, soon after publication in IEEE Xplore Digital Library conference proceedings appear in other Abstracting and Indexing databases (Scopus, Web of Science, Google Scholar).

CAOL2019 TOPICS & Workshops

Laser physics and applications
Nanotechnology and nanostructures
Resonators, (micro)cavities and beam propagation
THz photonics and electronics
Laser material processing
Nanophotonics, plasmonics, near field optics
Metamaterials, optical invisibility, and transformation optics
Nano-optoelectronics, nano-antennas, nano-sources and confined light emitters
Laser medicine and biophotonics
Photonics for big data and Big data in photonics
Ultrafast optics
Nonlinear optics and photonics
Optoelectronic sensors
Dynamical characteristics, internal energy flows and singularities of light fields

Photonic links and optical communications
PBG- and photonic crystal-devices
Specialty fibers including structured one and fiber lasers
Integrated photonics and (micro)cavities
Liquid crystals and device applications
Quantum optics and quantum technologies
Optical measurements and instrumentation
Organic photonics
Optical materials
Metrology of optoelectronics and lasers
Renewable Energy and Sustainability
Scientific Workshop on Data Science in Modern Optoelectronics and Laser Engineering (DSMOLE2019)
Scientific Workshop "Measurement Uncertainty: scientific, normative, applied and methodical aspects (UM2019)