7TH INTERNATIONAL CONFERENCE ON ADVANCED OPTOELECTRONICS AND LASERS

CAOL*2016

September 12-15, 2016, Odessa, Ukraine

Organized jointly by

IEEE Photonics Society Ukraine Chapter
IEEE AP/MTT/ED/AES/GRS/NPS/EMB East Ukraine Joint Chapter
University of Guanajuato, Mexico
V.N. Karazin Kharkiv National University, Ukraine
Odessa I.I.Mechnikov National University, Ukraine
Kharkiv National University of Radio Electronics, Ukraine
Institute of Physics, National Academy of Sciences of Ukraine
Ministry of Education and Science of Ukraine

The 7nd **International Conference on Advanced Optoelectronics and Lasers (CAOL*2016)** will be held in Odessa, Ukraine, **September 12 - 15, 2016**. CAOL*2016 will provide a forum for scientists in a wide area of laser physics and optoelectronics. The conference will cover wide frontiers in laser physics, nanotechnology, new materials, nonlinear optics and optical communications. Its characteristic feature is a stronger emphasis on the mathematical, physical and technological aspects of the researches, together with a detail analysis of the application problems. The technical program traditionally consists of invited lectures and regular contributed papers.

The previous conferences were successfully held in 2003, 2005, 2008, 2010 and 2013 in Crimea, and in 2006 in Guanajuato, Mexico. Information on the previous international meetings on optoelectronics and lasers can be found in *IEEE Photonics Society Newsletter (formerly IEEE/LEOS Newsletters)*: 4-1999, 4-2000, 4-2001, 3-2004 2-2006, 2-2009, 4-2010, 4-2011 etc.

Conference will be held in collaboration with IEEE/IPS, OSA and SPIE, and Regional Chapters of those societies.

CAOL*2016 TOPICS

- **Physics of advanced and novel lasers**
- **Solid-state, liquid and gas lasers and applications**
- **Semiconductor lasers and nanotechnology**
- **Resonators, (micro)cavities and beam propagation**
- **THz generation, detection, guidance and control**
- **Laser chemistry and laser material processing and nanofabrication**
- **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**
- **Ultrafast photonics**
- **Nonlinear optical materials and devices**
- **Photonic links and optical communications**
- **PBG and photonic crystal devices**
- **Specialty fibers including structured one and fiber lasers**
- **Integrated and nonlinear waveguide photonics**
- **Liquid crystals for advanced optoelectronics and lasers**
- **Quantum information, quantum & optical computing, quantum entanglement**
- **Optical measurement and instrumentation**
- **Organic coherent/incoherent photonics**

CAOL*2016 GENERAL CHEAR

Prof. Igor A. Sukhoivanov (University of Guanajuato, Mexico)

TECHNICAL PROGRAM COMMITTEE CO-CHAIRS

Prof. Marian Marciniak (National Institute of Telecommunications, Poland)
Prof. Valentin A. Smyntyna (Odessa I.I.Mechnikov National University, Ukraine)

ORGANIZING COMMITTEE CO-CHAIRS

Prof. Vyacheslav A. Maslov (V.N. Karazin Kharkiv National University, Ukraine)
Dr. Ievgen V. Brytavskyi (Odessa I.I.Mechnikov National University, Ukraine)

Accompanying events

13th International CONFERENCE on LASER and FIBER-OPTICAL NETWORKS MODELING

LFNM*2016

September 13-15, 2016

LFNM'2016 topics include but are not limited to:

- **Modeling/simulation and design of all kinds of lasers and LEDs**
- **Modeling and simulation in quantum optics**
- **Computational studies of optical phenomena at the micro- and nanoscales**
- **Theoretical and computational design of electromagnetic waveguiding and specialty photonic structures**
- **Modeling and simulation of laser-matter interaction at micro-and nanoscale**
- **Computational nonlinear fiber and integrated optics**
- **Computational studies of novel photonic materials and theoretical designs of photonic devices**
- **Simulation/modeling tools, methods, approaches**
- **Multiscale modeling/simulation in optoelectronics and photonics**
- **Theoretical and computational studies of photonic links, networks and systems**
- **Computational terahertz photonics and electronics**
- **Modeling and simulation in ultrafast optics**
- **Theory and computational physics of nanostructures**

Venue and Location: The conference will be held in Odessa which is one of the well-known historical cities. Odessa is the fourth largest city in Ukraine with a population of one million persons. The city is a major seaport and transportation hub located on the northwestern shore of the Black Sea. Transportation Connections: daily air flight connection Odessa with Warsaw, Vienna, Istanbul, Kyiv. The international airport Boryspil in Kyiv is accessible by daily flights from many airports of Europe, Asia and America. No visa is required for citizens of the USA, Canada, EU, Norway, Switzerland, Japan, Russia, Israel, and Croatia. Participants except those mentioned need a visa to enter Ukraine.

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Due Dates:

For submission of 2-3 pages camera-ready papers is **May 15, 2016.** Only electronic submissions will be accepted.
Postdeadline paper may be submitted up to **August 1**, **2016**
The Conference Proceedings will be published in English and will be available at the registration desk. All accepted contributions will be submitted to IEEE Xplore Digital Library.

Registration and accommodation

The registration fee for participants is 400 € before/on June 30 and 450 € after June 30. This registration fee includes all conference sessions, the conference proceedings, coffee breaks, reception, conference dinner and one excursion. For Participants from Ukraine and FSU countries special grants to partial reduction of the registration fee will be available.
Cancellation Policy: A €50 service charge will be assessed for processing refunds.
Conference registration form with details about registration and hotel prices will be available on the conference web site. The arrangement of the accommodation for the participants and accompanying persons will be offered by the Organizing Committee.
A guest program will be organized to take advantage of the history and nature charm of Odessa region.