

# 3<sup>rd</sup> International Conference on Optics, Photonics and Lasers (OPAL' 2020)



**21-23 October 2020**

Tenerife (Canary Islands), Spain

<http://www.opal-conference.com>

## About the Event

Similar to the first and second OPAL conferences, the Third International Conference on Optics, Photonics and Lasers (OPAL' 2020) will incorporate three symposiums covering a broader range in optics, photonics and lasers, and provide an excellent opportunity to exchange ideas and present latest advancements in these areas. The OPAL 2020 will be organized by the IFSA - a professional, non-profit association serving for industry and academy for 20 years.

The purpose of OPAL' 2020 is bring together leading international researchers, engineers and practitioners interested on any of the optical related technologies. The conference will offer plenary and invited talks, contributed oral and poster presentations, special sessions, tutorials, and exhibitions of commercial products. Social and cultural events will also take place to foster networking among the participants in a friendly manner.

## Optics:

- Optical and Fibre Optical Sensors and Instrumentation
- Micro-Opto-Electro-Mechanical Systems (MOEMS)
- Physical Optics
- Optoelectronic Devices, Photonics, Nanophotonics and Biophotonics
- Organic Optoelectronics and Integrated Photonics
- Optical Communications, Switching and Networks
- High-speed Opto-electronic Networking
- Optical Fiber Technology: Materials, Devices and Systems
- Optical Information Processing
- Holography
- Optical Metrology
- Optical Imaging Systems and Machine Vision
- Optical Computing
- Guided Wave Optics
- Optics in Condensed and Soft Matter
- Quantum Optics
- Nonlinear Optics
- Nano and Micro Optics
- Matter Waves
- Quantum Information
- Bio and Medical Optics
- Optical Materials, Characterization Methods and Techniques
- Optical Methods for Process Control
- Microscopy and Adaptive Optics
- Engineering Applications of Spectroscopy
- Optical Microscopy of Composites

## Special Sessions:

- Tunable Photonic Metamaterial Liquid Crystalline Structures
- Applications of Optics Photonics and Lasers in the Design of Cryptographic Protocols
- Vibrational Spectroscopy

## Photonics:

- Photonic Sensors
- Photodetectors
- Photonic Integrated Circuit (PIC)
- Photonic Integration and Packaging
- Photonic Crystals
- Biophotonics
- Microwave Photonics
- Nanophotonics
- Photonic Materials and Metamaterials
- Quantum Photonics
- Terahertz Photonics
- Photonic Computing
- Applications of Photonic Technologies

## Lasers:

- Laser Science
- Laser and laser optics
- Semiconductor Lasers
- Laser Metrology
- Chemical Gas Lasers
- Fiber Lasers
- Nonlinear Lasers
- Laser Propulsion
- Lasers and LEDs
- Laser Nanotechnology
- Laser Spectroscopy and Microscopy
- Laser Applications
- Lasers in Medicine and Biology



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## Confirmed Special Sessions:

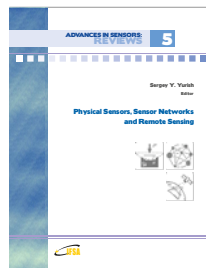
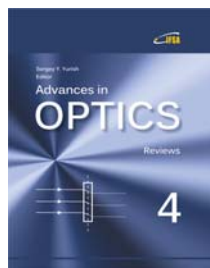
- Tunable Photonic Metamaterial Liquid Crystalline Structures
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- Vibrational Spectroscopy

## Deadlines:

Submission (2-page abstract): **5 May 2020**  
Notification of acceptance: **5 June 2020**  
Registration: **30 June 2020**  
Camera ready (4-6 pages paper): **15 September 2020**

## One event - three publications !

- 1) All registered abstracts will be published in the conference proceedings (USB flash drive edition of published Proceedings with the ISBN), distributed during the conference and submitted for indexing to the Web of Science. The previous OPAL' 2018 and OPAL' 2019 Conference proceedings were indexed by the Conference Proceedings Citation Index.
- 2) Authors will be invited to submit full-page extended papers to the special issue of Sensors & Transducers open access journal (ISSN 2306-8515, e-ISSN 1726-5479) for free of charge.
- 3) The limited number of full-page papers published in the journal will be selected by the Editorial Board to extend for book chapters for the open access Book Series on 'Advances in Optics: Reviews', Vol. 5.



## Social Programme

**Welcome Cocktail:** The Welcome Cocktail will take place on the 16<sup>th</sup> floor (Sky Lounge Bar) situate on the Hard Rock Hotel's Nirvana Tower building's roof with the best, magnificent, panoramic views to Teide volcano, the Atlantic coast, La Gomera Island and sunset. Actually, it is known as the highest leisure location in Tenerife. Do not miss this opportunity to say the first "hello" to attendees and committee members.

**Gala Dinner:** The Gala Dinner (BBQ) will take place in the Hard Rock Hotel at the sea beach in front of the Lagoon area.



## Contribution Types:

- Keynote presentations
- Invited talks
- Special sessions
- Regular sessions
- Poster session
- Industrial presentations
- Exhibition

## Keynote presentations:

- **Prof., Dr. Wolfgang Elsässer** (Darmstadt University of Technology, Germany) - Ghost Modalities with Classical Correlated Photons Emitted by Semiconductor Devices: Quantum Metrology 64 years after Hanbury-Brown & Twiss
- **Prof., Dr. Boris Mizaikoff** (Ulm University, Germany) - Waveguides for Waveguys: The Breakthrough Application for Quantum Cascade Lasers
- **Prof., Dr. Surender Kumar** (Government College Jatauli Haily Mandi, India) - Growth of ZnO Nanomaterials and its Potential Applications

## Organising Committee

### Chairman:

Prof., Dr. Sergey Y. Yurish (IFSA, Spain)

### Advisory Chairmen:

Dr. Qiang Wu  
(Northumbria University, Newcastle Upon Tyne, UK)  
Prof., Dr. George Semouchkin  
(Michigan Technological University, USA)  
Prof., Dr. Mahmoud Daoudi  
(National Center for Nuclear Sciences and Technologies, Tunisia)

### Conference Manager:

Mrs. Tetyana Zakharchenko  
(IFSA Publishing, S.L., Spain)