

5th International Conference on Optics, Photonics and Lasers (OPAL' 2022) : Deadline Reminder



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5th International Conference on Optics, Photonics and Lasers (OPAL' 2022)

Hard Rock Hotel, Tenerife (Canary Islands), Adeje, Spain, 18-20 May 2022



Dear Colleague !

It is a deadline reminder for 2-page extended abstracts including illustrations and list of references for regular, poster and special sessions: 5 March 2022.

Please check the up-dated OPAL' 2022 conference's web site for more details and conference template: <https://opal-conference.com/>

Here is the latest information about travelling to Spain:

<https://reopen.europa.eu/en/map/ESP/7011>

We are planning the event in-person format with physical regular and posters presentations. But who will be not able to attend the conference in-person for different reasons, the virtual session(s) in Zoom will be also organized with live stream translations on a big screen in the conference room.

About the Event

Similar to the previous OPAL conferences, the 5th International Conference on Optics, Photonics and Lasers (OPAL' 2022) will incorporate three symposiums covering a broaden range in optics, photonics and lasers, and provide an excellent opportunity to exchange ideas and present latest advancements in these areas. The OPAL 2022 will be organized by the IFSA - professional, non-profit association serving for industry and academy more than 20 years.

The purpose of OPAL' 2022 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.

The previous OPAL Series of Conference:

- OPAL' 2018 (Barcelona, Spain)
- OPAL' 2019 (Amsterdam, The Netherlands)
- OPAL' 2020 (virtual format in Zoom)
- OPAL' 2021 (Corfu, Greece)

have attracted many researchers and practitioners in the related fields, from around the world and all continents, who have presented the latest results covering theory, design, device technology and applications. We trust that you will find OPAL' 2022 conference professionally rewarding and stimulating as well as enjoyable.

OPAL' 2022 Conference Video Invitation:



Call for Papers

You are welcome to submit a 2-page extended abstract including illustrations and list of references according to the following topics of interest (but not limited):

Optics:

- * Optical and Fibre Optical Sensors and Instrumentation

- * Micro-Opto-Electro-Mechanical Systems (MOEMS)
- * Physical Optics
- * Adaptive Optics
- * Optoelectronic Devices
- * Organic Optoelectronics
- * 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
- * Printed Optical Waveguides

Photonics:

- * Photonic Sensors
- * Photodetectors
- * Photonic Integrated Circuit (PIC)
- * Photonic Integration and Packaging
- * Photonic Crystals
- * Silicon Photonics
- * Biophotonics
- * Microwave Photonics
- * Nanophotonics
- * Photonic Materials and Metamaterials
- * Quantum Photonics
- * Terahertz Photonics
- * Photonic Computing
- * Organic Photonic Materials and Devices
- * 2D Photonic Materials and Devices
- * Photonic Instrumentation Engineering
- * 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
- * Ultrafast Laser-Matter Interaction

Contribution Types:

- Keynote and Invited presentations

- Industrial presentations
- Regular papers
- Posters
- Special Sessions
- Exhibition
- Round Tables and Panel Discussions

Special Session on Vibrational Spectroscopy

Vibrational spectroscopy provides a dynamical picture of any molecule and can be employed directly as molecular fingerprints for characterization and identification. Developments in FTIR and Raman spectroscopy techniques with recent breakthroughs in Raman spectroscopy with laser as the source of light and the availability of fluorescence free Raman spectra has revolutionized the application of vibrational spectroscopy in various fields at a remarkable level. This special session is dedicated to advances in all areas of vibrational spectroscopy and its applications thereof. A wide range of vibrational techniques will be covered like time-resolved and multidimensional spectroscopy, sum-frequency generation, FTIR, Raman spectroscopy, THz spectroscopy, quantum mechanical calculations, spectroscopic simulations etc. Presentations on new approaches to obtain vibrational information are especially welcome. The sub-topics may be related to:

- Study of dynamics of liquids, solids, interfaces, and nanostructured materials.
- Study of chemical, vibrational, and hydrogen bonding dynamics
- Time-resolved vibrational spectroscopy in molecular biophysics and photobiology
- Proton and electron transfer studies for energy conversion and storage
- Advances in multi-dimensional vibrational spectroscopy: Infrared, Raman, and terahertz
- New infrared and terahertz laser sources and spectrometers
- Single molecule vibrational spectroscopy
- Theoretical and computational spectroscopy
- Any other relevant development.

Session Chairman:

Prof., Dr. Deepa Sharma
e-mail: bhargava.dp@gmail.com

Special Sessions:

Authors are welcome to organize and manage special sessions during the conference. Each session will contain 4-6 papers in a related field as specified above or proposed by a session organizer.

Session organizers will get:

- Certificate of Appreciation
- Free Registration for the Event
- Special Publishing Theme within Conference Proceedings
- Free article and book chapter post conference publications in appropriate open access journals and 'Advances in Optics: Reviews', Book Series, Vol. 6

Publications (one event three publications !):

1) All registered abstracts will be published in the conference proceedings (USB flash memory card 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 are indexed by the **Conference Proceedings Citation Index (CPCI)**, Web of Science by *Clarivate Analytics* (formerly known as *Thomson Reuters*).

2) Authors will be invited to submit full-page extended papers to the special issue of one of the following open access journals:

- *Sensors & Transducers* open access journal (ISSN 2306-8515, e-ISSN 1726-5479), special issue 'Optics, Photonics and Lasers' for free of charge;
- *Photonics* (ISSN: 2304-6732), discount for OPAL' 2022 conference participants
- *Chemosensors* (ISSN 2227-9040), special issue on 'Optical Chemical Sensors and Spectroscopy' (800 CHF discount for OPAL' 2022 conference participants)

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. 6. This open access Book Series is indexed in **Book Citation Index** (Wed of Science) by *Clarivate Analytics*.



Deadlines:

- * Submission (2-page extended abstract): **5 March 2022**
- * Notification of acceptance: **20 March 2022**
- * Registration: **5 April 2022**
- * Camera ready (4-6 page paper or 2-page extended abstract): **15 April 2022**

More details are available on the conference web site:

<https://opal-conference.com/>

Hope to see you in Tenerife in-person !

With best wishes,
Sincerely,

*Prof., Dr. Sergey Y. Yurish,
OPAL' 2022 Conference Chairman,
IFSA President
E-mail: opal_2022 (at) sensorsportal (dot) com*



Attention ! To be unsubscribed from the Call for Papers is very easy (see the web link below), but you will not get any invitations for keynote and invited presentations, joint research projects, grants, calls for book chapters and papers, etc. any more in the future. Please think twice before unsubscribe.

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