



# **Optics, Photonics and Lasers:**

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on Optics, Photonics and Lasers (OPAL' 2019)**

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Sergey Y. Yurish, *Editor*  
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## Foreword

On behalf of the OPAL' 2019 Organizing Committee, I introduce with pleasure these proceedings devoted to contributions from the 2<sup>nd</sup> International Conference on Optics, Photonics and Lasers (OPAL' 2019) held in Amsterdam, The Netherlands. The conference is organized by the International Frequency Sensor Association (IFSA) in technical cooperation with our media partner: Institute of Physics (IOP), UK.

In keeping with tradition begun in 2018 in Barcelona, Spain, the Conference attracts many researchers and practitioners in the related fields, from around the world including 3 keynote speakers from a distinguished researchers from Canada, China and France. We have got more than 60 submissions, and after review, finally, 33 papers have been selected and included into the conference programme for presentations (22 oral and 11 posters presentations) including keynote presentations, submitted by authors from 16 countries (9 European and 7 non-European countries), covering optics, photonics and lasers.

To accommodate this range of interests, the 2<sup>nd</sup> OPAL' 2019 Conference was organized in two dedicated poster sessions and oral tracks, including 'Optical Materials, Characterization Methods and Techniques', 'Physical and Nonlinear Optics', 'Nano & Micro Optics' and 'Applied Optics and Holography'.

The conference program provides an opportunity for researchers interested in optics, photonics and lasers to discuss their latest results and exchange ideas on the new trends and challenges. The main objective of the Conference is to encourage discussion on a broad range of optic related topics and to stimulate new collaborations among the participants.

The conference proceedings contains all papers of oral, poster and keynote presentations. We hope that these proceedings will give readers an excellent overview of important and diversity topics discussed at the conference. Based on the proceeding's contributions, selected and extended papers will be submitted by the authors to the special issue of 'Sensors & Transducers' journal (ISSN: 2306-8515, e-ISSN 1726-5479), The limited number of articles, published in 'Sensors & Transducers' journal will be invited to be extended for 'Advances in Optics: Reviews', Vol. 5, Book Series, which will be published in 2020.

We thank all authors for submitting their latest work, thus contributing to the excellent technical contents of the Conference. Especially, we would like to thank the individuals and organizations that worked together diligently to make this Conference a success, and to the members of the International Program Committee for the thorough and careful review of the papers. It is important to point out that the great majority of the efforts in organizing the technical program of the Conference came from volunteers.

*Prof., Dr. Sergey Y. Yurish*  
*OPAL' 2019 Chairman*

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