

Editorial



Dear Readers !

It is my great pleasure to introduce a new issue of *Sensors & Transducers* journal, Vol. 229, Issue 1, January 2019, titled '*Sensors and Nanosensors*' – the first journal's issue, published in 2019.

This issue contains selected and extended papers from *The 4th International Conference on Sensors and Electronic Instrumentation Advances (SEIA' 2018)*, which taken place on 19–21 September 2019 in Amsterdam, the Netherlands. The conference was organized by *International Frequency Sensor Association (IFSA)* and *Asian Society of Applied Mathematics and Engineering (ASAME)* in technical cooperation with *IFSA Publishing, S.L.* (Spain) and *F2D, Ltd.* (Ireland).

As the previous SEIA conferences, the SEIA' 2018 was focusing on the significant breakthrough and innovations in sensors, transducers and sensor instrumentation, and its applications with broadest concept. It has brought together researchers, developers, and practitioners from diverse fields including international scientists and engineers from academia, research institutes, and companies to present and discuss the latest results in the field of sensors and measurements. In 2018 we have got more than 60 papers, from which 32 papers have accepted for oral (24) and poster (8) presentations. Attendees from 21 countries (10 European and 11 non-European) have visited the conference in 2018.

The conference programme was divided into three regular sessions on physical, chemical, bio- and environmental sensors, one poster session, one industrial presentation and one traditional special session on gas sensors. Two keynote speakers from the USA Dr. Pavel Shuk (*Emerson Electric Corp.*) and Dr. Radislav Potyrailo (*GE Global Research Center*) have given the excellent presentations on 'Methane Gas Sensing Technologies' and 'Multivariable Sensors' respectively. The discussion where continued during the panel session on High-end Sensors.

The Organizing Committee has selected 12 papers, presented on the SEIA' 2018 conference to be extended for journal's publications. Finally, these articles are in this issue. A limited number of the best articles from this journal issue will be selected for extension into book chapters for publication in our popular open access Book Series '*Advances in Sensors: Reviews*' Vol. 7, which will be published in 2020.

In this year, the International Frequency Sensor Association (IFSA) will celebrate its 20th anniversary at the *5th International Conference on Sensors and Electronic Instrumentation Advances (SEIA' 2019)*, which will take place on Canary Islands (Tenerife), Spain on 25-27 September 2019. Today IFSA drives research works on sensors and disseminate the latest scholarly and industrial results to bridge the academia and industrial environments. Welcome to SEIA' 2019 !

A handwritten signature in black ink, appearing to read 'Sergey Y. Yurish'.

Sergey Y. Yurish
Editor-in-Chief