

## Foreword to Special Issue

It is my great pleasure to introduce a new issue of *Sensors & Transducers* journal, Vol. 235, Issue 7, July 2019, entitled 'Microelectronic Devices & Actuators'.

This special issue contains selected and extended papers from the 2<sup>nd</sup> International Conference on Microelectronic Devices and Technologies (MicDAT' 2019), which taken place on 22–24 May 2019 in Amsterdam, The Netherlands.

The modern microelectronic technologies play significant role in effective design and development of smart sensors, MEMS and microactuators. Namely, so called 'technological methods' of metrological performances improvement, which are consisting in the technological perfections, are directly influence on the sensors and sensor systems metrological performances such as accuracy, resolution, sensing range, time of response, etc.

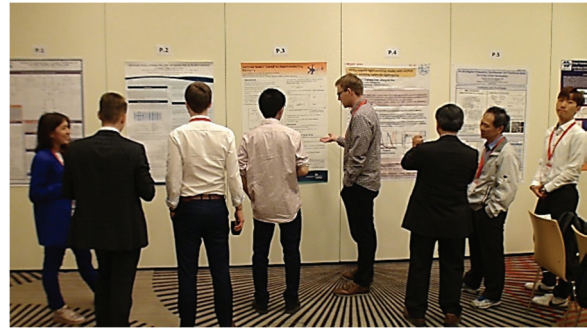
In the last few years, the Global microelectronics market was growing more than 20%. Autonomous vehicles, electromobiles, Industry 4.0 and the IoT are fueling the current demand because of require a lot of integrated, SiC, SiP, ASICs, ASIPs and ICs.



**Photo 1.** MicDAT' 2019 Conference Participants.

The MicDAT' 2019 conference has attracted researchers and practitioners in the related fields from 12 countries (Algeria, China, France, Germany, Japan, Poland, Russia, Slovakia, South Korea, Spain, Taiwan and UK) who were invited to overview the progress in selected research trends. MicDAT' 2019 did include regular and poster sessions, keynote presentation on 'Novel, High Resolution Analog-to-Digital Converters based on Voltage-to-Frequency Conversion' and round table discussion.

The conference was organized by the *International Frequency Sensor Association (IFSA)* - a professional association, which celebrates its 20<sup>th</sup> years anniversary in 2019, in technical cooperation with the technical cooperation *Excelera, S.L.* (Barcelona, Spain), *F2D, Ltd.* (Dublin, Ireland), and media partner - MDPI 'Sensors' journal (Switzerland).



**Photo 2.** Poster Session at MicDAT' 2019 Conference.

I would like to thank all authors for submitting their latest work, thus contributing to the excellent technical contents of the journal.

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 Microelectronics: Reviews*', Vol. 3, which will be published in 2020. Through the journal and book open access, the reach and impact of obtained and reported at the MicDAT' 2019 conference research results will be substantially increased.

The 3<sup>rd</sup> International Conference on Microelectronic Devices and Technologies (MicDAT' 2019), will take place in May/June 2020 on Tenerife (Canary Islands), Spain: <http://www.micdat-conference.com>

I hope you will enjoy this journal issue !

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

*Sergey Y. Yurish*  
Editor-in-Chief

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