



# **Sensors and Electronic Instrumentation Advances:**

**Proceedings of the 6<sup>th</sup> International Conference  
on Sensors and Electronic Instrumentation Advances**

**and**

# **Frequency & Time:**

**Proceedings of the 2<sup>nd</sup> IFSA Frequency & Time  
Conference**

**23-25 September 2020  
Porto, Portugal**

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## **Foreword**

On behalf of the SEIA' 2020 and IFTC' 2020 Organizing Committees, we introduce with pleasure these proceedings devoted to contributions from the 6<sup>th</sup> International Conference on Sensors and Electronic Instrumentation Advances 2020 and 2<sup>nd</sup> IFSA Frequency & Time Conference held in Porto, Portugal. The conference is organized by the International Frequency Sensor Association (IFSA) - one of the major professional, non-profit association serving for sensor industry and academy more than 20 years in technical cooperation with IFSA Publishing, S.L., web portal 'My Dear Drone' and our media partners – journals '*Soft Measurements and Computing*'; MDPI *Sensors*, and *Sensors and Materials*. The conference program provides an opportunity for researchers interested in various applications of sensing and measurement to discuss their latest results and exchange ideas on the new trends. The main objective of the conference umbrella is to encourage discussion on a broad range of related topics and to stimulate new collaborations among the participants.

Extending the tradition that began in 2015 in Dubai, UAE, this conference umbrella attracts researchers and practitioners from around the world including 3 keynote speakers from a distinguished researchers of industry and academia from Italy, Portugal and USA, who were invited to overview the progress in selected research trends. This year, we had more than 70 submissions from 21 countries (12 European and 9 non-European countries), from which 50 abstracts (43 oral and 7 posters) were selected for presentation at the Conference covering theory, design, device technology, and applications of sensors and sensing systems.

The proceedings contains all papers of both: oral and poster presentations (in-person and virtual) and keynote presentations. We hope that these proceedings will give readers an excellent overview of important and diversity topics discussed at the conference.

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.

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