

5th IFSA Frequency & Time Conference (IFTC' 2023)



20-22 September 2023
Funchal (Madeira Island), Portugal

<https://www.iftc-conference.com>

About the Event

The 5th IFSA Frequency and Time Conference (IFTC' 2023) is organized by International Frequency Sensor Association (IFSA) – one of the major professional, non-profit association serving for sensor industry and academy since 1999.

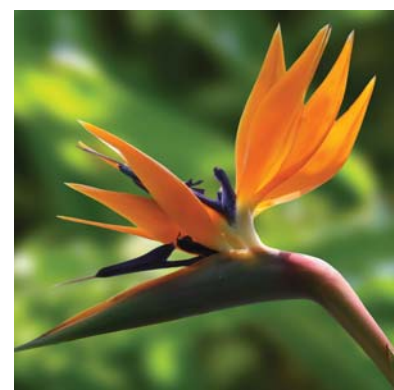
IFSA was founded on 23 August 1999 with the aim to encourage the research and development in the area of sensors with frequency, time interval, duty-cycle and digital output, including multifunction, multifrequency transducers, the usage of new physical effects and principles. IFSA reports on current research in this field worldwide through its media: Sensors Web Portal, IFSA Newsletter, Sensors & Transducers journal, e-Digest (magazine) and related conferences. Today IFSA has more that 750 members from 74 countries from academia and industry worldwide.

The Series of annual international conference covers both: methods of measurements of frequency-time parameters of signals, and devices including appropriate sensors, transducers and converters to frequency, and frequency to digital and other related areas connected with frequency and time, namely: generation, transfer, various oscillators and resonators, standards and references, etc.

The 1st IFSA Frequency and Time Conference (IFTC' 2019) has taken place in Barcelona, Spain (2019), the 2nd IFSA Frequency and Time Conference (IFTC' 2020) - in Porto (Portugal). The 3rd IFTC' 2021 - in Palma de Mallorca (Balearic Islands), Spain and the 4th IFTC' 2022 - in Corfu (Greece). The 5th IFTC' 2023 will take place in Funchal (Madeira Island), Portugal in conjunction with the 9th International Conference on Sensors and Electronic Instrumentation Advances (SEIA' 2023) and 5th International Conference on Microelectronic Devices and Technologies (MicDAT '2023) under the same conference umbrella.

The topics of interest include (but not limited):

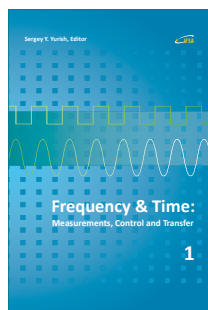
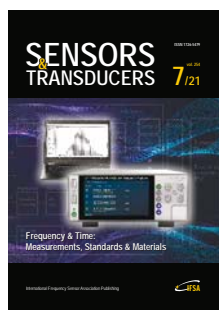
- Methods for Frequency, Time and Phase Measurements
- Measurements of Frequency-Time Parameters of Signals
- Frequency-to-Digital Converters (FDC)
- Time-to-Digital Converters (TDC)
- Voltage-to-Frequency Converters (VFC)
- Current-to-Frequency Converters
- ADC based on Voltage-to-Frequency Converters
- Capacitance-to-Frequency Converters
- Resistance-to-Frequency Converters
- Resistive Bridge-to-Frequency Converters
- Inductance-to-Frequency Converters
- Impedance-to-Frequency Converters
- Counters, Phasemeters and Tachometers
- Frequency Generators and Synthesizers
- Frequency, Period, Duty-cycle, Time interval output sensors and transducers
- Pulse width modulation (PWM) and Pulse number output sensors and transducers
- Time of Flight Sensors (ToF)
- Surface Acoustic Wave (SAW) sensors
- Bulk Acoustic Wave (BAW) sensors
- Quartz Crystal Microbalance (QCM) sensors
- Ultrasonic Sensors
- Oscillators, Resonators, Timers, Resonator Circuits and Filters
- Voltage-controlled Oscillators
- Atomic and Optical Frequency Standards
- Frequency References
- Frequency Control, Timing and Time Distribution
- Timekeeping, Time and Frequency Transfer
- Ferroelectric, Piezoelectric, and Piezomagnetic Materials
- GNSS Applications
- Applications, trends and markets



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One event - Three different publications!

1. All registered abstracts will be published in the conference proceedings (Flash drive edition of published Proceedings with the ISBN).
2. Authors will be invited to submit full-page extended papers to special issue of *Sensors & Transducers* open access journal (ISSN 2306-8515, e-ISSN 1726-5479), which is published in both formats: print and electronic (pdf) open access journal. It is free of charge for all IFTC' 2023 participants.
3. The limited number of full-page papers published in the *Sensors & Transducers* journal will be selected by the Editorial Board to extend for open access book's chapters for the Book Series on 'Frequency & Time: Measurements, Control and Transfer', Vol. 1, which will be published by IFSA Publishing in 2023.



Special Sessions

Authors are welcome to propose and manage special sessions or give a half-day pre-conference tutorial during the IFTC' 2023. Each special session will contain 4-6 papers in a related field as specified above.

Session organizers will get:

- Certificate of Appreciation
- Free Registration
- Special Publishing Theme within Conference Proceedings

Conference Hotel

Pestana Casino Park Hotel
Rua Imperatriz D Amelia, 9004-513 Funchal, Portugal

Social Programme

Welcome Cocktail: 19 September 2023 (20:00-21:30). The Welcome Cocktail will take place in the Pestana Casino Park Hotel.

Gala Dinner: 21 September 2023 (20:00-23:30).

Contribution Types:

- Keynote presentations
- Invited talks
- Industrial presentations
- Regular presentations
- Special Session presentations
- Posters
- Panel discussion & round tables
- Exhibition

Committee

Chairman

Prof., Dr. Sergey Y. Yurish
(IFSA, Spain)

Advisory Chairmen

Prof., Dr. Vincenzo Piuri
(Universit' degli Studi di Milano, Italy)

Prof., Dr. José Miguel Pereira
(Instituto Politécnico de Setúbal (ESTSetúbal/IPS, Portugal)

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Mr. Javier Cañete
(Universitat Politècnica de Catalunya (UPC), Barcelona, Spain)

Mr. Luis Morey
(Universitat Politècnica de Catalunya (UPC), Barcelona, Spain)

Mr. Sergii Garmash
(IFSA Publishing, S.L., Spain)

Conference and Publication Manager

Tetyana Zakharchenko
(IFSA Publishing, S.L., Spain)

Deadlines:

Submission (2-page abstract):	25 June 2023
Notification of acceptance:	15 July 2023
Registration:	31 July 2023
Camera ready (4-6 pages paper):	31 August 2023

Information for Sponsors

The conference organizers are looking for sponsors from industry and academia to support various activities, such as invited, keynote speakers, gala dinner, coffee breaks, post- and pre-conferences tours and other social events. The organizers offer different sponsorship and associated benefits. For more information on sponsoring, please contact Dr. Sergey Y. Yurish by e-mail: SYurish@sensorsportal.com