

8th International Conference on Microelectronic Devices and Technologies (MicDAT '2026)

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



30 September - 2 October 2026 • Granada, Spain

The conference is the 8th of Series of annual International Conferences on Microelectronic Devices and Technologies (MicDAT) organized by IFSA - non-profit, professional association, serving for academy and industry since 1999. The MicDAT' 2026 conference is intended to create awareness of the huge potential of modern microelectronic technologies and to improve understanding on the recent challenges in a wide range of applications. The many different technological bases for the fabrication of microelectronic devices, SoC, SiP, MEMS and NEMS will be outlined in this conference.

A number of recognized experts from both: academy and industry in the field of microelectronic design will be invited to give their view in selected application areas. Featuring strong participation of industry and academia, the MicDAT' 2026 conference will provide an excellent opportunity to exchange ideas and present latest advancements in these areas.

The aim of MicDAT series of conference is to provide an annual world forum for the presentation and discussion of recent advances in microelectronics, and bring together leading international researchers, engineers and practitioners interested on any of the microelectronics related technologies.

Topics of interests:

- Analog, digital, mixed, and RF circuits and related design methodologies
- Analog-to-Digital Converters (ADC)
- Voltage-to-Frequency Converts (VFC)
- Frequency-to-Digital Converters (FDC)
- Time-to-Digital Converters (TDC)
- Logic, architectural, and system level synthesis
- Nonlinear circuits
- Microprocessors, microcontrollers and DSPs
- Testing, design for testability, built-in self-test
- Area, power, and thermal analysis and design
- Mixed-domain simulation and design
- Embedded systems, low-power designs
- VLSI systems circuit and design
- Non-von Neumann computing and related technologies and circuits
- Design and test of high complexity systems integration
- SoC, MPSoC, NoC, SiP, and NIP design and test
- Process technologies, CMOS, BJT, BiCMOS, GaAs
- 3-D integration design and analysis
- Emerging device technologies and circuits, such as FinFETs, SETs, spintronics, SFQ, MTJ, etc.
- Design for Manufacturability/Technology
- Microelectronics processing and materials
- Semiconductor processing
- Solid-state electronics
- Quantum electronics
- Thin solid films
- Nanoprocessing, nanotechnology and nanofabrication
- Flexible and stretchable electronics
- MEMS and NEMS
- CAD tools for microelectronics
- Hardware/software co-design
- Algorithms, methods and tools for modeling, simulation, synthesis and verification of ICs
- Electronic materials science and technology
- Organic electronic materials and devices
- Microelectronics reliability and qualification
- Assembly and Packaging

Contribution Types:

- Keynote presentations
- Invited talks
- Regular sessions
- Poster sessions
- Special sessions
- Industrial sessions
- Panel Discussions and Round Tables
- Exhibition

Special Sessions:

Participants are welcome to organize and manage special sessions during the conference. Each session will contain 4-6 papers in a related field as specified above.

Session organizers will get:

- Certificate of Appreciation
- Free Registration for the Event



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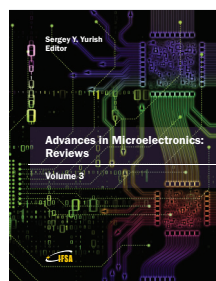


Deadlines:

Submission (2-page extended
abstracts): Notification of acceptance: **still open**
Registration: **in 1 week after submission**
Camera ready (4-6 pages full papers): **as soon as possible**
30 August 2026

One event - three different publications !

- 1) All registered abstracts will be published in the conference proceedings with the ISBN and DOI, distributed during the conference and submitted for indexing to the Web of Science.
- 2) Authors will be invited to submit full-page extended papers to the following special issue of peer-reviewed open access journal *Sensors & Transducers* (ISSN 2306-8515, e-ISSN 1726-5479), indexed in Scopus, or other affiliated open access journals.
- 3) The limited number of full-page papers published in the journal will be selected by the Editorial Board to extend for book chapters for the open access Book Series on 'Advances in Microelectronics', Vol. 4.



Organising Committee

Chairman:

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

Advisory Chairmen:

Prof., Dr. Freddy Gabbay (*The Hebrew University of Jerusalem, Israel*)

Dr. Ephraim Suhir (*Bell Labs, USA*)

Dr. Josef Huran (*Slovak Academy of Science, Slovakia*)

Prof., Dr. Vijyakumar Varadarajan
(*Hano Technical University Somalia*)

Conference and Publication Manager:

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

Venue

The MicDAT' 2026 Conference will be held in Barceló Granada Congress Hotel, Granada, Spain
Address: Calle Maestro Montero 12 18004 Granada Spain

Social Programme

- Welcome Cocktail: 29 September 2026 (20:00-21:30)
- Gala Dinner: 1 October 2026 (20:00-23:00)
- Farewell Cocktail: 2 October 2026, Friday (after lunch time)

