



CALL FOR PAPERS

Organizers

General Co-Chairs

Subhas Mukhopadhyay
Macquarie University, Australia

Mike McShane
Texas A&M University, USA

Important Dates

March 31, 2027

Proposals for Focused Sessions

April 14, 2027

Notification of Focused Session Proposals Acceptance

April 26, 2027

Option B Paper Deadline:
Submit to IEEE Sensors Letters

May 7, 2027

Proposals for Workshops/
Tutorials

May 31, 2027

Notification of Workshops/
Tutorials Acceptance

June 18, 2027

Option A Paper Deadline
(Max 3 pages of text + 1 page of references)

August 9, 2027

Notification of Paper Acceptance

August 30, 2027

Submission of Final Papers



Visit the website for the most up to date information relating to abstract submission, tutorials, and special sessions information and deadlines.



IEEE SENSORS 2027 is intended to provide a forum for research scientists, engineers, and practitioners throughout the world to present their latest research findings, ideas, and applications in the areas of sensors and sensing technologies.

IEEE SENSORS 2027 will include keynote addresses and invited presentations by eminent scientists and engineers.

Topics for IEEE SENSORS 2027 include

- » Sensor Phenomenology, Modeling and Evaluation
- » Sensor Materials, Fabrication and Packaging
- » Chemical, Electrochemical and Gas Sensors
- » Microfluidics and Biosensors
- » Optical Sensors
- » Physical Sensors: Temperature, Mechanical, Magnetic and Others
- » Acoustic and Ultrasonic Sensors
- » Sensor Networks and IoT
- » Emerging Sensor Technologies and Applications
- » Sensor Systems: Signals, Processing and Interfaces
- » Actuators, Energy Harvesting and Powering Sensors
- » Sensor Data Processing and AI
- » Wearable Sensors and Systems
- » Live Demonstration of Sensors and Sensing Technologies

Focused Sessions

IEEE SENSORS 2027 will have focused sessions on emerging sensor-related topics. Details related to the Call For Focused Sessions are on the [conference website](#).

Publication of Papers

Accepted papers will be submitted for inclusion into IEEE *Xplore*® subject to meeting IEEE *Xplore*'s scope and quality requirements. Alternatively, authors will have an option to submit a 4-page paper to a Special Issue of the IEEE Sensors Letters, and if accepted, present results at a Special session of the IEEE SENSORS 2027. Authors may submit extended versions of their conference papers to the IEEE Sensors Journal.

Special Issue in the IEEE Sensors Journal

Having a vibrant industry presence at the conference is provided with opportunities for interchange between the industrial and the academic communities in sensors, including the following:

- Opportunities to highlight selected differentiating technology for cutting-edge products
- Exposure to technical advances across applications through joint topical sessions of peer-reviewed papers
- Industrial track highlighting peer company presentations in the program
- Industry-oriented sessions and workshops to discuss future technology trends and produce academic engagement
- Opportunities for interaction between component and system experts in question time at presentations and at the vibrant poster and demonstration sessions
- Opportunities for networking during breaks, shared meals and receptions
- Opportunities to listen to student research and to interact face-to-face
- Industrial booths in shared space with posters and refreshment breaks.

Exhibition Opportunities

The Conference Exhibit area will provide companies and other organizations with an opportunity to display and promote products, services, equipment, books, journals, publications, and/or other items to attendees from around the world.

For further information contact Claire Folkerts, at cfolkerts@conferencecatalysts.com

Please visit: <http://ieee-sensorsconference.org/2027>