



IEEE BIOSENSORS 2025

SAN DIEGO, CA, USA || AUGUST 2-5, 2025

CALL FOR PAPERS

IMPORTANT DATES

January 15, 2025
Paper Submission Opens

February 1, 2024
Tutorial Proposal
Submission Deadline

March 31, 2025
Paper Submission Closes

May 9, 2025
Notification of Acceptance

May 22, 2025
Final Submission

ORGANIZING COMMITTEE

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Join the third annual IEEE BioSensors conference in San Diego, CA, USA from August 2-5, 2025! Dive into four days of the latest biosensor developments, emerging applications, tutorials, and keynote sessions.

IEEE BioSensors focuses on research, development, and application of biosensors and biosensing systems. Biosensors involve the use of a biological or chemical element to transduce a target measurand into a signal. Biosensing systems include electrochemical, optical, mechanical, material, and other instrumentation associated with biosensor measurements as well as sample preparation/processing, sample interfacing, and data processing/analytical methods specific to biosensors.

Examples of applications - Point of care diagnostics & monitoring devices; microanalytical systems (lab on chip, organ-on-chip, cell-based biosensors); wearable & implantable devices; bioprocess technology; environmental monitoring (water, air); agritech (horticulture, veterinary); biological/chemical warfare agent detection; high throughput drug discovery & testing.

TOPICS

- » Electrochemical Biosensors
- » Optical Biosensors
- » MEMs-based Biosensors
- » Lab-on-a-chip and microfluidic technologies
- » Cell-based Biosensors and Organ-on-chip Technologies
- » Novel receptors and immobilization methods
- » Point-of-care diagnostics, disposable devices
- » Wearable, Ingestible, and Implantable Biosensor Systems
- » Special Topics in Biosensors
- » Live Demos

PUBLICATION OF PAPERS

Presented papers will be included in the Proceedings of IEEE BioSensors 2025 and in IEEE *Xplore*® pending author requirements being met. Authors may submit extended versions of their paper to the *IEEE Sensors Journal*. Alternatively, authors will have the option to submit a 4-page paper to a Special Issue of the *IEEE Sensors Letters*, and if accepted, present at a IEEE BioSensors 2025.

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 Caroline Kravec, ckravec@conferencecatalysts.com

