



CALL FOR PAPERS

IMPORTANT DATES

January 15, 2026

Paper Submission Opens

February 1, 2026

Tutorial Proposal
Submission Deadline

February 7, 2026

Option B: Submit to IEEE
Sensors Letters

March 21, 2026

Option A: Submit to the
IEEE BioSensors 2026
Proceedings

Option C: Submit Short
Abstract

April 22, 2026

Notification of Acceptance

May 22, 2026

Final Submission

ORGANIZING COMMITTEE

GENERAL CHAIRS

Panavy Pookaiyaudom
Mahanakorn University of
Technology, Thailand

Pantelis Georgiou
Imperial College London, UK

TPC CHAIRS

**Benchaporn (Jern)
Lertnantawong**
Mahidol Engineering, Thailand

Stefano Bonaldo
University of Padova



Join the fourth annual IEEE BioSensors conference in Bangkok, Thailand from August 2-4, 2026! 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 2026 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 2026.

OPTION B – IEEE SENSORS LETTERS

Authors with papers specifically focused on sensors may submit directly to IEEE Sensors Letters using the journal's submission system and template. During submission, select "IEEE SENSORS" as the article type to be considered for inclusion in the IEEE SENSORS Conference program.

Papers not accepted under Option B may be revised and resubmitted under Option A after addressing reviewer comments. Resubmission is not automatic and will undergo standard conference review.

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 Hannah Zehner, hzehner@conferencecatalysts.com