IEEE Sensors Council

IEEE Sensors Council Announcements

IEEE Sensors Council has 26 IEEE members societies working together in the multi-disciplinary technical area of Sensors.

CONFERENCES & EVENTS

IEEE SENSORS 2025

2025.ieee-sensorsconference.org

IEEE SENSORS 2025

Vancouver, Canada | October 19-22, 2025

IEEE SENSORS 2025 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.

Topics of interest 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

IEEE APSCON 2025
IEEE Applied Sensing Conference

2025.ieee-apscon.org

Join us for APSCON 2025 on January 20-22, 2025 in IIT Hyderabad, India. The IEEE Applied Sensing Conference connects researchers, practitioners, and engineers from industry and academia applying sensing techniques in numerous ways.

IEEE INERTIAL 2025
The 12th IEEE International Symposium on Inertial Sensors & Systems
Lindau, Lake Constance, Germany || May 4-7, 2025

2025.ieee-inertial.org

This exclusive international Symposium on Inertial Sensors and Systems continues our annual tradition of informal single-track international meetings discussing the latest developments in the area of modern inertial sensors and emerging applications.

Sensors in Spotlight

2025.ieee-sensorsinspotlight.org

Industry Leaders take the Sensors in Spotlight stage to present BIG VISIONS. This is a unique one-day networking event introducing emerging applications that will inspire technological developments in years to come.

IEEE FLEPS 2025
IEEE International Conference on Flexible, Printable Sensors and Systems
Singapore // June 22-25, 2025

2025.ieee-fleps.org

IEEE FLEPS 2025 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 area of Flexible and Printable Sensors and Systems.

IEEE BIOSENSORS 2025
SAN DIEGO, CA, USA || AUGUST 2–5, 2025

2025.ieee-biosensors.org

Join us for the inaugural IEEE BioSensors Conference that will be held in San Diego, USA from August 2-5, 2025. This event will focus on the latest developments in the area of biological sensing.

IEEE SIM
Sensor Interfaces Meeting

ieee-sim.org

The Sensors Interfaces Meeting will present you the opportunity to listen to and interact with top experts in the field of sensors interfaces. Stay tuned for more information on future dates.

IEEE Sensors Council

PUBLICATIONS

IEEE Sensors Journal

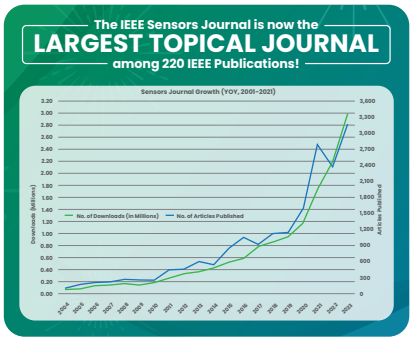
ieee-sensors.org/sensors-journal

Editor-in-Chief: Zeynep Celik, Electrical Engineering Department, University of Texas at Arlington

4.325 Impact Factor

The IEEE Sensors Journal is a widely-read, peer-reviewed, semi-monthly online journal devoted to sensor technology and sensing phenomena.

Sensors Journal also has a variety of Special Issues. View full list of topics and deadlines at:
ieee-sensors.org/ieee-sensors-journal/sensors-journal-special-issues



IEEE Sensors Letters

ieee-sensors.org/sensors-letters

Editor-in-Chief: Andrei Shkel, University of California, Irvine, CA, USA

Hybrid, Open-Access Journal

IEEE Sensors Letters is an electronic journal dedicated to publishing short manuscripts, quickly, on the latest and most significant developments in the field of sensors.

IEEE Journal of Selected Areas in Sensors

ieee-jsas.org

Editor-in-Chief: Chonggang Wang, InterDigital, Inc., USA

The IEEE Journal of Selected Areas in Sensors (JSAS), a new 100% open access technical journal, publishes papers in all areas of the field of interest of the IEEE Sensors Council, i.e., the theory, design, simulation, fabrication, manufacturing and application of devices for sensing and transducing physical, chemical, and biological phenomena, with emphasis on the electronics, physics and reliability aspects of sensors and integrated sensor-actuators.

IEEE Sensors Reviews

reviews.ieee-sensors.org

Editor-in-Chief: Carlos Marques, University of Aveiro, Aveiro, Portugal

The IEEE Sensors Reviews, a new 100% open access technical journal, publishes reviews, tutorials and perspectives papers in all areas of the field of interest of the IEEE Sensors Council, i.e., the theory, design, simulation, fabrication, manufacturing and application of devices for sensing and transducing physical, chemical, and biological phenomena, with emphasis on the electronics, physics and reliability aspects of sensors and integrated sensor-actuators.

ACTIVITIES

Young Professionals

The IEEE Sensors Council Young Professionals is a group of members in the early stages of their career.

ieee-sensors.org/young-professionals

IEEE youngprofessionals

Women in Sensors

Women in Sensors (WiSe) aims to promote globally, the presence and advancement of persons who identify as women in the technical area and professions related to sensors.

ieee-sensors.org/women-in-sensors-wise

GENDER REPRESENTATION PLEDGE

IEEE Women in Sensors

Distinguished Lecturer Program

The IEEE Sensors Council's Distinguished Lecturer Program (DLP) promotes the field of sensors to the broad engineering and scientific community, and to the public at large by providing lecturers who are acknowledged and eminent scholars in pure and applied sensors and sensors-related technical fields.

ieee-sensors.org/distinguished-lecturer-program

Diversity and Inclusion

IEEE Sensors Council is dedicated to encouraging diversity within its scope of the technical field of interest, and to supporting an inclusive and unbiased environment in its activities that invites, engages and recognizes those who contribute to the field. Our commitment is regardless of race, religion, gender, disability, age, national origin, sexual orientation, gender identity, or gender expression. We strive to continually improve our work-practices aligned to build and maintain a culture that transcends into a rich diversity of the sensor's scientific community.

Learn more about the Council's current D&I initiatives:
ieee-sensors.org/diversity-and-inclusion