

IEEE Sensors Council Announcements

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

Sensors Council's Upcoming Conferences

IEEE SENSORS 2021

October 31- November 3, 2021 - Sydney, Australia

IEEE SENSORS 2021 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 sensors and sensing technology.



Important Dates

May 6, 2021 – Proposals for Tutorials and Focused Sessions

June 18, 2021 – Paper Submission Deadline (Max 3 pages of text + 1 page of references)

August 9, 2021 – Notification of Paper Acceptance

August 30, 2021 – Submission of Final Papers

Topics of Interest Include:

- ◆ Sensor Phenomenology, Modeling, & Evaluation
- ◆ Sensor Materials, Processing, & Fabrication
- ◆ Chemical & Gas Sensors
- ◆ Microfluidics and Biosensors
- ◆ Optical Sensors
- ◆ Physical Sensors: Temperature, Mechanical, Magnetic, & others
- ◆ Acoustic and Ultrasonic Sensors
- ◆ Sensor Packaging
- ◆ Sensor Networks and IoT
- ◆ Sensor Applications
- ◆ Sensor Systems: Signals, Processing, & Interfaces
- ◆ Actuators and Sensor Power Systems
- ◆ Demos
- ◆ Sensors In Industrial Practice

iee-sensorsconference.org | [f facebook.com/IEEESENSORS](https://facebook.com/IEEESENSORS) | [t twitter.com/IEEESENSORS](https://twitter.com/IEEESENSORS) | [#IEEESENSORS](https://twitter.com/IEEESENSORS)

IEEE INERTIAL 2021

March 22-26, 2021 – Virtual Conference

This exclusive international Symposium on Inertial Sensors and Systems will be held virtually in 2021. The event continues our annual tradition of informal single-track international meetings discussing the latest developments in the area of modern inertial sensors and emerging applications. The INERTIAL 2021 will be a five-day event with one day of tutorials, and four days of technical sessions.



For more information, please visit iee-inertial.org.

Important Dates

December 28, 2020 - Late News Submissions Open

January 10, 2021 – Late News Submission Deadline

February 1, 2021 – Full Paper Submission Deadline

February 1, 2021 – Early Registration Deadline

Topics of Interest Include:

- ◆ Sensors Phenomena & Modeling
- ◆ Sensor Systems & Electronics
- ◆ Low-cost Manufacturing
- ◆ Advanced Packaging
- ◆ Advanced Test & Evaluation
- ◆ Aiding Technology
- ◆ Emerging Applications
- ◆ Best Failed Ideas
- ◆ Atomic/Quantum Sensors
- ◆ Special Session on Bio-Inspired Sensors and Systems

IEEE FLEPS 2021

June 20-23, 2021 – Manchester, UK

IEEE FLEPS 2021 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 Flexible and Printable Sensors and Systems.



For more information, please visit iee-fleps.org.

Important Dates

January 25, 2021 – Tutorial Proposal Submission and Focused Session Proposal Deadlines

March 1, 2021 – Final Paper Submission Deadline

April 26, 2021 – Notification of Acceptance

May 14, 2021 – Standard Registration Deadline

Topics of Interest Include:

- ◆ Organic/Inorganic Electronic Sensors
- ◆ Emerging Materials for Flexible and Printable Systems
- ◆ Manufacturing Techniques
- ◆ High-throughput Printable Electronics
- ◆ Hybrid Flexible Sensors and Electronics
- ◆ Stretchable/Shrinkable Sensors and Electronics
- ◆ Soft/Smart Wearable and Implantable Sensing Systems
- ◆ Disposable/Reusable Sensors and Electronics
- ◆ Printed Large-Area Sensors and Systems
- ◆ Flexible or Printed Active and Passive
- ◆ Emerging applications of Flexible Electronics
- ◆ Simulation and Modelling

Sensors Council Publications

Sensors Journal ieee-sensors.org/sensors-journal

Editor-in-Chief: Sandro Carrara, École Polytechnique Fédérale de Lausanne (EPFL), CH
3.076 Impact Factor

~ 7 Weeks Submission to ePublication

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/sensors-journal/sensors-journal-special-issues

Sensors Letters ieee-sensors.org/sensors-letters

Editor-in-Chief: Srinivas Tadigadapa, Northeastern University

~ 4.8 Weeks Submission to ePublication

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. Sensors Topics include theory, design, fabrication, manufacturing, signal processing, interface circuits and applications of devices for sensing and transducing physical, chemical and biological phenomena. Papers are limited to 4 pages with the stipulation that at least one column of each paper be devoted exclusively to references.

IEEE Journal on Miniaturization for Air and Space Systems (J-MASS) ieee-jmass.org

Editor-in-Chief: Antonio Plaza, University of Extremadura

J-MASS is a new technical journal devoted to covering the rapidly evolving field of small air and space systems such as drones and small satellites. These platforms offer new, low-cost ways to accomplish a wide range of sensing functions for applications ranging from agriculture to land use and ocean surveys.

2020 IEEE Sensors Council Award Recipients



We are pleased to congratulate the following recipients of the 2020 IEEE Sensors Council Awards. The Council is especially proud to honor their outstanding accomplishments and look forward to their continued involvement with the Council.

Meritorious Service Award:

Srinivas Tadigadapa "For Founding Editorship of IEEE Sensors Letters Journal"

Young Professional Award:

Hamida Hallil "For exemplary service to IEEE Young Professionals and Women in Science and Engineering, particularly within the sensors community"

Technical Achievement Award Sensor Systems or Networks - Early Career:

Domenico Ciuonzo "For contributions to energy-efficient sensor networks"

Technical Achievement Award Sensor Systems or Networks - Advanced Career:

Laurence Yang "For contributions to system design and data analytics for human-centric smart sensor systems"

Technical Achievement Award Sensors - Early Career:

Sheng Xu "For considerable accomplishments and leadership in the development and deployment of innovative soft wearable sensors for health monitoring"

Technical Achievement Award Sensors Advanced Career:

Eui-Hyeok Yang "For outstanding contributions and leadership in the field of nanotechnology-based sensors, for his high-impact research, and for his commitment to shaping the scientists, engineers and educators of tomorrow"

IEEE Sensors Journal Best Paper Award:

Pankhuri Sen, Sai Nithin R. Kantareddy, Rahul Bhattacharyya, Sanjay Emani Sarma, Joshua E. Siegel for the paper, "Low-Cost Diaper Wetness Detection Using Hydrogel-Based RFID Tags"

IEEE Sensors Journal Best Paper Award Runner-Up:

Assim Boukhayma, Antonino Caizzone, Christian Enz for the paper, "An Ultra-Low Power PPG and mm-Resolution ToF PPD-Based CMOS Chip Towards All-in-One Photonic Sensors"

IEEE Sensors Journal Best Paper Award Runner-Up:

Sruthy Skaria, Akram Al-Hourani, Margaret Lech, Robin J. Evans for the paper, "Hand-Gesture Recognition Using Two-Antenna Doppler Radar With Deep Convolutional Neural Networks"

IEEE Sensors Letters Best Paper Award:

Renyuan Zhang, Siyang Cao for the paper, "Real-Time Human Motion Behavior Detection via CNN Using mmWave Radar"

Internet of Things Journal Outstanding Service Award:

Chonggang Wang "For long-lasting contributions to the establishment and growth of the IEEE Internet of Things Journal"

Internet of Things Journal Best Paper Award:

Feng Zhang, Chen Chen, Beibei Wang, K. J. Ray Liu for the paper "WiSpeed: A Statistical Electromagnetic Approach for Device-Free Indoor Speed Estimation"

Internet of Things Journal Best Paper Award Runner Up:

Bin Cheng, Gürkan Solmaz, Flavio Cirillo, Ernö Kovacs, Kazuyuki Terasawa, Atsushi Kitazawa for the paper "FogFlow: Easy Programming of IoT Services Over Cloud and Edges for Smart Cities"

Sensors Journal Best Performing Associate Editor:

Prosanta Gope

Sensors Journal Best Performing Topical Editor:

Paul C.-P. Chao

Outstanding Chapter Award 2019:

IEEE France Sensors Council Chapter