IEEE SENSORS 2022

Dallas, Texas USA – Oct 30 – Nov 2, 2022

CALL FOR PAPERS

Organizers

General Co-Chairs

Zeynep Celik
University of Texas at Arlington, USA

J.-C. Chiao
Southern Methodist University, USA

Technical Program Chairs

Jeong Bong (JB) Lee
University of Texas at Dallas, USA

Rolland Vida
Budapest University of Technology and Economics, Hungary

Important Dates

March 31, 2022
Proposals for Focused Sessions

May 6, 2022
Proposals for Tutorials

June 18, 2022
Paper Submission Deadline
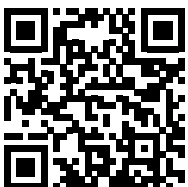*(Max 3 pages of text + 1 page of references)*

August 9, 2022
Notification of Paper Acceptance

August 30, 2022
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 2022 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 2022 will include keynote addresses and invited presentations by eminent scientists and engineers.

Topics for IEEE SENSORS 2022 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**
» **Wearable Sensors and Systems**
» **Sensors in Industrial Practices**
» **Focused Session:** Microwave and Hot Carrier based Sensors
» **Focused Session:** In-field Detection of Chemical, Biological and Security Threats
» **Focused Session:** Nanomaterials based Sensors
» **Focused Session:** Photoplethysmography Sensors and Applications
» **Focused Session:** Bio-Remote Sensing and Integrated Artificial Intelligence Systems

Focused Sessions

IEEE SENSORS 2022 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

Presented papers will be included in the Proceedings of IEEE SENSORS 2022 and in IEEE *Xplore* pending author requirements being met. Authors may submit extended versions of their paper to the *IEEE Sensors Journal*.

Industry Day

A special track designed to encourage industry participation will include industry showcase/demonstrations, industry networking, and an industry panel luncheon. Special flexible one-day registration will be available to facilitate industry participation.

Special Issue in the *IEEE Sensors Journal*

A small number of best papers presented at the conference will be invited to contribute extended abstracts towards a special issue of the *IEEE Sensors Journal*. An invitation is not a guarantee of publication but an indication of content desirable to the journal, as well as the recognized quality of the work as submitted to and presented at the conference.

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

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IEEE Sensors Council