IEEE APSCON 2025
IEEE Applied Sensing Conference
Hyderabad, India // 27-29 January 2025

IEEE Sensors Council

CALL FOR PAPERS

IMPORTANT DATES

1 June 2024
Paper Submission Opens

31 August 2024
Paper Submission Closes

31 October 2024
Notification of Acceptance

1 November 2024
Author Registration Opens

15 November 2024
Final Submission Closes

30 November 2024
Author Registration Closes

31 December 2024
Early Bird Registration Closes

Organizing Committee

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LOCAL ORGANIZING COMMITTEE CHAIR
Amit Kumar
Director, BioAxis, Hyderabad, India

Join us for the 3rd International IEEE Applied Sensing Conference (APSCON) on January 27-29, 2025 in Hyderabad, India!

CONFERENCE TRACKS

APSCON 2025 invites original research papers (not being considered for publication elsewhere) of 4 pages in standard IEEE conference template on applications of sensors and sensing techniques in one of the following fifteen tracks (but are not limited to):

» Sensing for Agriculture
» Sensing for e-Mobility
» Joint Sensing, Communications and Localization
» Sensing for Smart and Connected Healthcare
» Crowdsensing and Intelligent Sensing
» Habitat and Environment Monitoring
» Sensing for Critical Infrastructure

» Internet of Senses
» Sensing for Industry 4.0
» Sensing for Energy
» Sensing in Security
» Sensing for Smart City and Village
» Sensing for Sports and Entertainment
» Sensing for Education
» Other Novel Applications

Publication of Papers in Conference Proceedings and IEEE Sensors Letters

Authors get two options of submissions: i) to the conference through ePapers, and ii) to the IEEE Sensors Letters through ScholarOne manuscripts. Accepted papers of option 2 through the journal's peer review process will directly be published as a regular letter in the IEEE Sensors Letters journal after their presentations in APSCON 2025 and will be appropriately linked in the conference proceedings. Rejected papers of option (ii) will again be reviewed by the conference technical program committee and if accepted will be allowed to be presented in the conference, so are the accepted papers of option (i). These accepted and presented papers that meet IEEE's quality standards will be published in the Conference Proceedings.

Selected Outstanding papers presented at APSCON 2025 will be invited to submit an extended version by adding some new results and discussion in a planned special section of "Applied Sensing" in the IEEE Journal of Selected Areas in Sensors. An invitation is not a guarantee of publication but a recognition of the quality of the work as submitted to and presented at the conference. These papers will undergo the normal review process of the journal.

Industry Day

Full of industry-led activities, thematic round-table meetings, focused sessions, keynote talks, tutorials/workshops.

Sensors Startup Summit

The emerging ecosystem of startups will be invited to network and get together to share their success-stories, opportunities, marketplace and technological challenges. Live Demos of their business model is also invited.

Students Research Forum

We invite advanced stage PhD work and completed theses (not older than 6 months), MTech/MS theses and undergrad high level research projects to present and get inputs from the experts. This will give these aspiring students a platform to network, improve their work besides exploring post-doctoral opportunities and/or job offers.

Sensors Standards Opportunities

IEEE Sensors Council's Standards Committee invites to explore sensors domain's standards development opportunities while sharing an overview of its activities.

Sensing for Agriculture

Sensors and Systems for micro/macro nutrients, water conservation, soil health monitoring, IoT solutions for making agriculture sustainable and profitable

Sensing for e-Mobility

Warnings and assistance to drivers, lane centering, adaptive cruise control, sensors for self-driving at all times, traffic management, improve safety, reduce pollution, infotainment

Joint Sensing, Communications and Localization

Integration of heterogeneous sensing and communication to enhance resilience, reliability and confidence. Approaches for convergence of communication, sensing and localization in one integrated platform.

Sensing for Smart and Connected Healthcare

All types of wearable medical devices and internet of things gadgets to enable continuous patient monitoring and treatment even when patients are at remote locations.

Crowdsensing and Intelligent Sensing

Crowdsensing and participatory sensing systems for applications such as surveillance, security, etc.

Habitat and Environment Monitoring

Cost-effective, networked sensors and systems to monitor air pollution, water quality, , soil, sediments etc., bio-diversity. Unusual variation of environmental parameters etc., sensors and systems for addressing climate changes.

Sensing for Critical Infrastructure

Sensors and systems for structural health monitoring, prediction of catastrophic events, prevent un-authorized access to a restricted area, anomalies in the functioning of electrical equipment, Disaster response system.

Internet of Senses

Digital sensory experiences of visual, audio, haptic, and other technologies, sensors to augment our senses etc. Beyond vision and sound, IoS can allow humans to simultaneously sense the world by means of touch, smell, and taste.

Sensing for Industry 4.0

Sensors and systems to monitor different industrial processes for health and safety purposes, data collection, analytics, remote operation, smart manufacturing. Sensors and systems for achieving carbon-neutral in industry practices.

Sensing for Energy

Sensors and systems to enhance the safety, security and environmental sustainability of energy production, distribution, storage and consumption.

Sensing in Security

Sensors and systems for non-intrusive and networked monitoring of critical installations, airports, transport vehicles, homes etc., including homeland and defense security.

Sensing for Smart City and Village

Sensors and systems for optimum utilization of natural resources and energy, transport planning and mobility, environmental sources of pollution, improvement of quality of life and security.

Sensing for Sports and Entertainment

Sensors and systems for monitoring and improving the athletic performance, creating fair judgement, increasing participant interaction for online and off-line sports and gaming for an immersive experience.

Sensing for Education

Sensors and systems for delivery, supervision, assessment and social interaction to measure, monitor and provide real-time learning outcome information with a goal to improve learning outcomes.