

# CALL FOR PAPERS

## IMPORTANT DATES

**1 July 2023**

Paper Submission Opens

**31 August 2023**

Paper Submission Closes

**31 October 2023**

Notification of Acceptance

**1 November 2023**

Author Registration Opens

**15 November 2023**

Final Submission Closes

**30 November 2023**

Author Registration Closes

**31 December 2023**

Early Bird Registration Closes

Join us for the 2<sup>nd</sup> International IEEE Applied Sensing Conference (APSCON) on January 22–24, 2024 in Goa, India! APSCON will be a three-day event with one day of industry engagement and two days of technical sessions.

## CONFERENCE TRACKS

APSCON will connect researchers, practitioners and engineers from industry and academia applying the sensing techniques for verticals such as:

- » 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

## 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 2024 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 2024, as judged by the Technical Programme Committee, will be invited to submit an extended version by adding some new results and discussion in the special section of "Applied Sensing" of the IEEE Journal of Selected Areas in Sensors.

## 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.

For further information contact **Caroline Kravec**,  
[ckravec@conferencecatalysts.com](mailto:ckravec@conferencecatalysts.com)

## Organizing Committee

### GENERAL CO-CHAIRS

**V Ramgopal Rao**

Group Vice-Chancellor, BITS Pilani, India

**Fabrice Labeau**

Deputy Provost (Student Life & Learning),  
McGill University, Canada

### TECHNICAL PROGRAM COMMITTEE CO-CHAIRS

**Anil Roy**

DA-IICT, Gandhinagar, India

**Peter Cheng-Tang Pan**

National Sun Yat-sen University, Taiwan

### TREASURER

**Srinivas Tadigadapa**

Northeastern University, USA

### LOCAL ORGANIZING COMMITTEE CHAIR

**Suman Kundu**

Director, BITS Pilani Goa, India

## **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 unauthorized 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.

**For further information contact Caroline Kravec,**  
[ckravec@conferencecatalysts.com](mailto:ckravec@conferencecatalysts.com)