



IEEE INERTIAL 2023

The 10th IEEE International Symposium on Inertial Sensors & Systems
Kaua'i, Hawaii | March 28-31, 2023

CALL FOR PAPERS

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PAPER SUBMISSION IMPORTANT DATES

Abstract Submission Deadline

October 3, 2022

Acceptance Notification

November 30, 2022

Late Breaking News Submission Open

November 30, 2022

Late Breaking News Submission Deadline

January 9, 2023

Late Breaking News Acceptance Notification

January 23, 2023

Full Paper Submission Deadline

February 6, 2023

Early Registration Deadline

February 6, 2023

All accepted and presented papers
will be available at IEEE Xplore.



This exclusive international Symposium on Inertial Sensors and Systems will be held on Kaua'i Hawaii, USA. 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. INERTIAL 2023 will be a four-day event with one day of tutorials and three days of technical sessions.

TOPICS

Sensors Phenomena & Modeling

Theory, new physical principles, device-and-system-level modeling, multiphysics, deterministic/stochastic error models, predictive models

Sensor Systems & Electronics

Sensor arrays, multi-sensor units, inertial measurement units, sensor electronics, control of sensors

Atomic/Quantum Sensors

Theory, physical principles, device/system modeling, supporting technologies, error/predictive models, packaging, experimental results

Manufacturing and Packaging for Improved Performance

Micro/nano fabrication techniques, new materials, vacuum/differential packaging, assembly techniques

Calibration, Compensation, and Error Modeling

Built-in diagnostics, low-cost test/evaluation, calibration of arrays, wafer-level test and evaluation, real-time compensation

Applications

Consumer electronics, medical devices, sport and fitness, automotive, oil/gas exploration, military, aeronautical and space sensor systems

Best Failed Ideas

Ideas for new sensors, systems, components, supporting subsystems, or lessons learned from methods that were once exciting but in the end proved unsuccessful

Please visit: 2023.ieee-inertial.org