INERTIAL 2020

The 7th IEEE International Symposium on Inertial Sensors & Systems

Grand Prince Hotel Hiroshima | Hiroshima, Japan | March 23-26, 2020

IEEE Advancing Technology for Humanity

IEEE Sensors Council

CALL FOR PAPERS

IMPORTANT DATES

October 22, 2019
Abstract Submission

December 8, 2019
Acceptance Notification

January 5, 2020
Late News Submission

January 15, 2020
Late News Acceptance Notification

February 1, 2020
Full Paper Submission Deadline

February 1, 2020
Early Registration Deadline

ORGANIZERS

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This exclusive international Symposium on Inertial Sensors and Systems will be held in Hiroshima, Japan. 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 2020 will be a four-day event with one day of tutorials, and three days of technical sessions.

INERTIAL 2020 will be held at the Grand Prince Hotel Hiroshima. The hotel stands directly by the beautiful Seto Inland Sea, a 40 minute train ride from Hiroshima Station. Hiroshima Prefecture is located in the southwestern part of the Japanese islands. It is rich in the natural beauty of the Inland Sea and the Chugoku Mountains, with mountains, sea, rivers, valleys, plains, basins that characterize Japan's landscape.

TOPICS OF INTEREST

Sensors Phenomena & Modeling
Theory, new physical principles, device-and-system-level modeling, multi-physics, deterministic/stochastic error models, predictive models

Sensor Systems & Electronics
Sensor arrays, multi-sensor units, inertial measurement units, sensor electronics, actuator systems,control of sensors

Atomic/Quantum Sensors
Theory, new physical principles, device-and-system-level modeling, multi-physics, deterministic/stochastic error models, predictive models

Low-cost Manufacturing
Wafer-level fabrication, new micro/nano techniques, new materials, built-in diagnostics

Advanced Packaging
Wafer-level, system-in-package, vacuum/differential packaging

Advanced Test & Evaluation
Low-cost test/evaluation, calibration of arrays, wafer-level test and evaluation

Aiding Technology
Hybrid systems, gravitational maps, star-trackers, vision

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

Best Failed Ideas
Once exciting ideas for sensors, systems, components, supporting subsystems, or methods that in the end proved unsuccessful for practical or fundamental reasons