



IEEE  
**INERTIAL2022**  
The 9<sup>th</sup> IEEE International Symposium on Inertial Sensors & Systems  
Avignon, France | May 8-11, 2022

## CALL FOR PAPERS

### ORGANIZERS

#### General Chair

**Olivier Le Traon**  
ONERA, France

#### Technical Program Chair

**Giacomo Langfelder**  
Politecnico di Milano, Italy

### PAPER SUBMISSION IMPORTANT DATES

#### Abstract Submission Deadline

» October 15, 2021

#### Acceptance Notification

» December 1, 2021

#### Late Breaking News Submissions Open

» December 1, 2021

#### Late Breaking News Submission Deadline

» January 5, 2022

#### Late Breaking News Acceptance Notification

» January 15, 2022

#### Full Paper Submission Deadline

» March 1, 2022

#### Early Registration Deadline

» March 1, 2022

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



Please visit:

**2022.ieee-inertial.org**



This exclusive international Symposium on Inertial Sensors and Systems will be held at the Palais des Papes, in Avignon France. 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 2022 will be a four-day event with one day of tutorials, and three days of technical sessions.

#### **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, physical principles, device/system modeling, experimental results, packaging, supporting technologies, error/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, magnetic, 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**

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

#### **Special Session on Bio-Inspired Sensors and Systems**

Alternative navigation sensor and system approaches inspired by nature