



# CALL FOR PAPERS

**ICUASNO 2020**  
**Jan 23-24, 2020**  
**Paris, France**

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICUASNO 2020 : International Conference on Unmanned Aircraft System Navigation and Orientation is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Unmanned Aircraft System Navigation and Orientation. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

Direct, indirect and integrated sensor/platform positioning and orientation  
Vision-based navigation and orientation  
Single/multiple IMU-Vision-based navigation and orientation  
Simultaneous Localization and Mapping (SLAM)  
Navigation and orientation using machine learning and deep learning  
Kalman and Particle filtering and other advanced techniques for motion sensor data fusion  
Computational aspects and incremental approaches  
Collaborative UAS-UAS and UAS-UGV missions  
Navigation and orientation in outdoors and indoors environments

Autonomous navigation  
Obstacle detection and avoidance  
Precise Point Positioning (PPP) navigation  
Ultra Wide Band (UWB) localization  
Optical flow-based vision-based navigation  
Trajectory tracking systems  
Autopilots and navigation: standard and advanced solutions for navigation integrity  
Path planning  
Beyond visual line of sight (BVLOS) navigation