



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