



CALL FOR PAPERS

ICARAS 2022
Jun 21-22, 2022
Vienna, Austria

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.

ICARAS 2022 : International Conference on Aerial Robotics and Autonomous Systems is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Aerial Robotics and Autonomous Systems. 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:

Aerial robotics
Aerial robotics and engineering applications
Problems and challenges in aerial robotics
Airframe design
Unmanned aircraft modeling
State estimation, control and motion planning
Models of unmanned rotorcraft
Linear and nonlinear systems
Autonomous aerial robot
Modeling of the flight dynamics of an aerial robot
State estimation
Flight controls for rotorcraft and fixed-wing aerial robot configurations
Motion planning for the autonomous navigation

Micro aerial vehicle
UAS autonomy: perception, planning and control
UAS guidance, navigation and control
Sense and Avoid
Human-computer interfaces
Propulsion and Engines
Aerial manipulation
UAS integration in non-segregated airspaces
Aerial robotics and UAV application
Innovative UAS applications
Personal remote sensing, mapping and 3D photogrammetry
UAS for precision agriculture
UAS for digital humanity and cultural heritage preservation