



CALL FOR PAPERS

ICISA 2020
Feb 27-28, 2020
Sydney, Australia

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.

ICISA 2020 : International Conference on Intelligent Systems in Aerospace is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Intelligent Systems in Aerospace. 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:

Intelligent aerospace systems
Traffic management
Urban air mobility
Flight operations
Aviation safety analysis
Bio-inspiration
Fuzzy logic
Genetic algorithms
Q-learning
Markov decision processes
Approximate dynamic programming
Artificial neural networks
Probabilistic maps

Multi-agent systems
Kalman, particle, and confidence filtering
Multi-physics modelling and optimization
Sensing and sensor fusion
Software methodologies
Application to aircraft performance enhancements
Bio-inspired robotic aircraft
Neural network-based optimal control
Intelligent constrained optimal control of aerospace vehicles
An application to a generic transport aircraft
Adaptive control in flight
Integrated systems health management for intelligent systems
Intelligent propulsion control and health management