



CALL FOR PAPERS

ICSAA 2020
Aug 21-22, 2020
Kuala Lumpur, Malaysia

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.

ICSAA 2020 : International Conference on Software Analysis for Aerospace is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Software Analysis for 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:

Software Analysis for Aerospace
Verification and validation for safety-critical software systems
Security analysis for aerospace communications,
Compositional analysis of code for scalability
Automated testing techniques
Statistical techniques (including data mining and learning) for program and software behavior analysis
Aerospace System Integration
Architectures for safety-critical aerospace systems containing software, hardware, and people
Approaches to, benefits of, and limitations of Integrated Modular Avionics frameworks
Human-computer interaction including intelligent cockpits/control towers

Adaptive airspace implementations
Aerospace Software Policy and Implementation
Decision-making in air systems, including both autonomy and human factors issues
Creating and maintaining a skilled workforce for aerospace software
Software Synthesis for Aerospace
Model-based approaches to software and software-intensive system design
Compositional and hierarchical design approaches for reducing and managing complexity
Approaches to building intelligent and adaptive systems within a safety-critical framework
The generation of code that is correct-by-construction
The design of maintainable systems