



CALL FOR PAPERS

ICDARA 2020
Oct 29-30, 2020
Los Angeles, USA

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.

ICDARA 2020 : International Conference on Dynamic Aeroelasticity, Requirements and Applications is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Dynamic Aeroelasticity, Requirements and Applications. 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:

Dynamic aeroelasticity
Static aeroelasticity
Divergence
Control reversal
Flutter
Buffeting
Transonic aeroelasticity
Nonlinear aeroelastic analysis and flight dynamics
Standard requirements and applications
Symmetric and asymmetric maneuvers
Pitching acceleration, gust effects, roll and yaw

Structural design data and analysis
Bending moment and torque diagrams
Load factors, repeated and random loads
Aeroelastic requirements in aircraft design
Basics of static aeroelasticity
Divergence, control efficiency and reversal
Unsteady aerodynamic loads on oscillating airfoils
Important design parameters and criteria
Aeroelastic analysis and optimisation techniques
Flexible airframes and analysis techniques