



CALL FOR PAPERS

ICAMS 2021
Mar 25-26, 2021
Madrid, Spain

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.

ICAMS 2021 : International Conference on Applied Mechanics of Solids is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Applied Mechanics of Solids. 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:

Solid mechanics
Engineering solid mechanics
Applied mechanics of solids
Solid mechanics, materials and structures
Material characterization and mechanical behaviour of engineering materials
Failure and damage analyses
Theoretical criteria for strength and load-bearing capacity of solid structures
Numerical simulations for stress and deformation analysis of solids
Fracture mechanics of (notches and cracks) and crack propagation
Weldments and joints
Fatigue-creep interaction

Life assessment and structural integrity evaluation
Mechanical testing and experimental stress and strain measurements
Design and analysis of structures and components subjected to different types of loading and environmental conditions
Practical case studies in the field of solid mechanics
High temperature materials for power generation and aero-propulsion
Materials for thermal management in hypersonic vehicles, ships and power electronics
Materials for ultralight components used in aerospace systems
Materials having especially low weight and compactness through multifunctionality
Materials and systems for high authority actuation and shape morphing
Materials and structures that impart blast and fragment protection

