



# CALL FOR PAPERS

**ICACMT 2021**  
**Jan 28-29, 2021**  
**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.

ICACMT 2021 : International Conference on Advanced Composites and Materials Technologies is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Advanced Composites and Materials Technologies. 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:

## Advanced Composites and Materials Technologies

Multiscale theory of the origin and evolution of structural defects

Theoretical and practical aspects of nano modification composites

Mathematical modeling and numerical solutions for composite manufacture

Rheological aspects of composites

Optimization of hybrid advanced material and/or composite structures

Welding, weld material characterisation and weld modelling

Forming and forging material formulation, characterisation and process modelling

Joining of composites and adhesive technologies

Out of autoclave polymer composite manufacture (RTM, microwave processing etc)

Advanced manufacturing technologies

Contact mechanics, tribology, wear and material removal processing

Super lightweight thermal insulation

Integrated assembly of composite structures

Non-destructive inspection of composite materials and structures

Investigation of structural and physical properties of composite

Analysis of composite beams, plates and shells

Fatigue measurement, characterisation and analysis

Impact and blast

Materials for high temperature application

Ceramic Matrix Composites(CMCs) and Metal Matrix Composites (MMC)