



CALL FOR PAPERS

ICAAMHTD 2021
Dec 16-17, 2021
Bangkok, Thailand

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.

ICAAMHTD 2021 : International Conference on Aluminum Alloy Metallurgy and Heat Treatment Damage is

the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Aluminum Alloy Metallurgy and Heat Treatment Damage. 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:

- Aluminum metallurgy
- Aluminum alloy metallurgy
- Types of aluminum alloys
- Heat treating aluminum alloys
- Chemical processing of aluminum
- Chemical conversion coatings
- Anodizing
- Corrosion damage
- Heat treatment damage
- Hydrogen damage
- Damage from metal finishing
- Mechanical and physical properties
- Production of alumina

- Production of primary aluminium
- Production of secondary aluminium
- Ingot casting and casthouse metallurgy of aluminium and its alloys
- Casting of aluminium alloys
- Quality issues in aluminum castings
- Case studies in aluminium casting alloys
- High pressure die casting of aluminium and its alloys
- Progress on the heat treatment of high pressure die castings
- Metallurgical properties of aluminium and its alloys
- Work hardening in aluminium alloys
- Precipitation and solute clustering in aluminium: advanced characterisation techniques
- Solute partitioning to enhance mechanical properties of aged aluminium alloys
- Vacancies in aluminium and solute-vacancy interactions in aluminium alloys

