



# CALL FOR PAPERS

**ICAPT 2021**  
**Dec 09-10, 2021**  
**New York, 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.

ICAPT 2021 : International Conference on Aircraft Propulsion Technology is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Aircraft Propulsion Technology. 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:

Aircraft propulsion  
Compressible flow with friction and heat  
Engine thrust and performance parameters  
Gas turbine engine cycle analysis  
Aviation and uninhabited aerial vehicle propulsion system  
Aircraft engine inlets and nozzles  
Combustion chambers and afterburners  
Axial compressor aerodynamics  
Centrifugal compressor aerodynamics  
Aerothermo-dynamics of gas turbines  
Aircraft engine component matching and off-design analysis  
Chemical rocket and hypersonic propulsion  
Aero-engine types

Reciprocating engines  
Jet engines: turbojet, turbofan, propfan, turboprop, and ramjets  
Engine parameters and performances  
Jet fuel  
Combustion chamber  
From fuel to thrust: the energy conversion chain in jet propulsion  
The simplest turbojet model  
Thermal and mechanical limitations in jet engines  
Jet engine auxiliaries: start-up, electrical, pneumatic and hydraulic services  
Engine maintenance  
Matching engines and aircraft  
Aerodynamic drag and required propulsion power  
Range and endurance: breguet's equation