



# CALL FOR PAPERS

**ICAAAP 2020**  
**Jan 30-31, 2020**  
**Istanbul, Turkey**

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.

ICAAAP 2020 : International Conference on Advanced Astrophysics and Astrophysical Plasmas is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Advanced Astrophysics and Astrophysical Plasmas. 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:

Anomalous Transport (Turbulence, Coherent Structures, Microinstabilities)  
Astrophysical and geophysical plasmas  
Astrophysics and cosmology  
Atmospheric pressure plasmas  
Basic Plasmas, Space and Astrophysical Plasmas  
Beam Plasmas and Inertial Fusion  
Burning plasma physics  
Collisionless and stochastic heating in low-temperature plasmas  
Complex Plasmas  
Diagnostics and modelling of plasma discharges  
Dusty & Low Temperature Plasmas  
Dusty plasmas  
Free electron lasers and masers

Fusion engineering  
Fusion plasma diagnostics  
Fusion Plasmas  
High Energy Density Plasmas  
Inertial confinement, laser plasmas, short pulse phenomena  
Laser-Plasma Interaction  
Low temperature plasmas  
Macroinstabilities and Magnetic Reconnections  
Magnetic confinement  
Magnetic Confinement Fusion  
Non Axisymmetric Configurations  
Plasma and magnetic confinement theory and modelling  
Plasma application, processing, radiation generation, dusty plasmas