



CALL FOR PAPERS

ICADAC 2020
Aug 27-28, 2020
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.

ICADAC 2020 : International Conference on Atmospheric Dynamics and Atmospheric Circulation is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Atmospheric Dynamics and Atmospheric Circulation. 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:

Atmospheric dynamics
Kinematics of the large-scale
horizontal flow
Elementary kinematic properties of
the flow
Vorticity and divergence
Deformation
Streamlines versus trajectories
Dynamics of horizontal flow
Apparent forces
Real forces
The horizontal equation of motion
The geostrophic wind
The effect of friction
The gradient wind

The thermal wind
Suppression of vertical motions by
planetary rotation
Potential vorticity
Primitive equations
Pressure as a vertical coordinate
Hydrostatic balance
The thermodynamic energy equation
Inference of the vertical motion
field
Solution of the primitive equations
The atmospheric general circulation
The kinetic energy cycle
The atmosphere as a heat engine
Numerical weather prediction