



# SUMMER SCHOOL ON THE MATHEMATICS OF GEOPHYSICAL FLOWS

This summer school aims at exposing early career researchers to the modeling, analysis and computational aspects of geophysical flow models of oceanic and atmospheric dynamics.

*Limited funding will be available for young researchers.*

## SPEAKERS

**Didier Bresch** // CNRS, Chambéry, France

*»Mathematical topics around compressibility motivated by ocean and/or atmosphere studies«*

**Sunčica Čanić** // UC Berkeley, USA

*»Multilayered Poroelastic Media Interacting with Fluids«*

**Frank Giraldo** // NPS, Monterey, USA

*»Element-based Galerkin Methods for Weather, Climate, and Ocean Models«*

**Anna Mazzucato** // Penn State, USA

*»Mixing in incompressible flows: transport, dissipation, and their interplay«*

**Steven Schochet** // Tel Aviv University, Israel

*»Singular Limits in Fluid Dynamics«*

## SCIENTIFIC ORGANIZERS

Karoline Disser, Matthias Hieber,  
Rupert Klein, Peter Korn,  
Edriss S. Titi, László Székelyhidi

[www.for5528geophysicalflows.de](http://www.for5528geophysicalflows.de)

**SEPTEMBER 2 – 6, 2024**

**MAX PLANCK INSTITUTE  
FOR MATHEMATICS IN THE SCIENCES**

Leibniz lecture hall (E1 05)

Inselstraße 22, 04103 Leipzig

Administrative contact:

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Application Deadline on June 14, 2024.

FURTHER INFORMATION &  
ONLINE REGISTRATION VIA

[www.mis.mpg.de/mathgeoflow](http://www.mis.mpg.de/mathgeoflow)