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Lagrangian Transport in Geophysical Fluid Flows

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Deadline for manuscript submissions:
closed (20 November 2020)

Message from the Guest Editors

Dear Colleagues,

Many questions in oceanography, meteorology, and related disciplines involve, in an unavoidable way, transport—transport of mass, properties, biogeochemical tracers, pollutants, or biological organisms. A Lagrangian perspective, where one tracks individual parcels, presents a natural framework for characterizing transport pathways, barriers, and associated exchanges. The aim of this Special Issue is to assemble a variety of articles to develop a deeper understanding of the Lagrangian transport and exchange processes in geophysical fluid flows. We welcome all contributions, ranging from theoretical advancements to numerical modeling and analysis of observational datasets; from idealized problems to realistic flows; and from submeso-scales to global scales.

Dr. Irina Rypina
Dr. Michael Allshouse
Guest Editors

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Message from the Editor-in-Chief

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