



Instabilities and Nonlinear Dynamics in Oceanic Flows

Guest Editors:

Prof. Dr. Xavier Carton

Laboratoire d'Océanographie
Physique et Spatiale, Institut
Universitaire Européen de la Mer,
Université de Bretagne
Occidentale, 29280 Plouzané,
France

Prof. Dr. Sabrina Speich

Laboratoire de Météorologie
Dynamique – IPSL, Ecole
Normale Supérieure – PSL, Paris,
France

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Message from the Guest Editors

Dear Colleagues,

This Special Issue will concentrate on nonlinear ocean dynamics (in particular at mesoscale and sub-mesoscale) and on the mechanisms inherent to these nonlinearities, in particular, flow instabilities and interactions of coherent structures.

Theoretical contributions and process studies lie at the core of this topic. Studies based on observations or on more general numerical modeling are welcome, provided they concentrate on the mechanisms of nonlinear ocean dynamics. Purely descriptive regional studies should be avoided. Mechanisms involving coupled atmospheric and oceanic flows will be considered.

Prof. Dr. Xavier Carton

Prof. Dr. Sabrina Speich

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Editor-in-Chief

Prof. Dr. D. Andrew S. Rees

Department of Mechanical
Engineering, University of Bath,
Bath BA2 7AY, UK

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MDPI, Grosspeteranlage 5
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