

Workshop 2006: Vortices and Waves in Geophysical Flows

Seventh Annual Center for Atmosphere Ocean Science Winter Workshop December 1 - 2, 2006

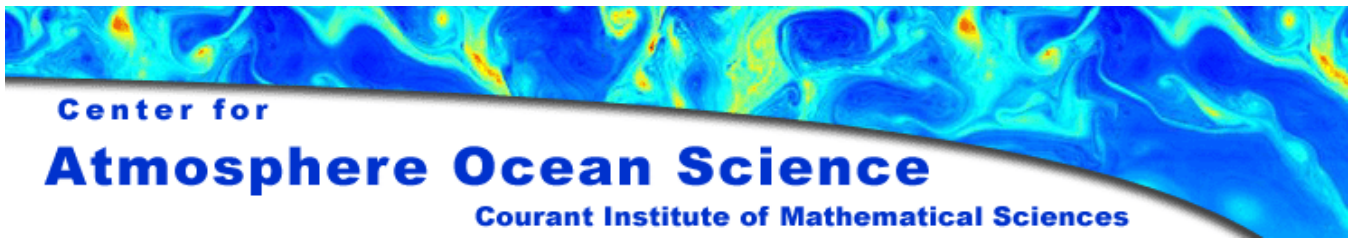
The upcoming CAOS workshop will take place on Friday and Saturday, December 1 & 2, 2006, and will consist of about eight 50-minute invited lectures each day, as well as time for informal discussions. Friday's theme will be entirely devoted to Hurricane Dynamics. The topic for this year's workshop is vortices and waves in geophysical flows. A current list of participants follows:

- [Oliver Buhler](#) - Courant Institute
- [Nick Hall](#) - LTHE Grenoble
- [Rupert Klein](#) - Potsdam Institute for Climate Impact Research
- [Sonya Legg](#) - NOAA
- [Andrew Majda](#) - Courant Institute
- [Mike Montgomery](#) - Naval Postgraduate School
- [John Scinocca](#) - Canadian Centre for Climate Modelling and Analysis, University of Victoria
- [Stefan Llewellyn Smith](#) - University of California, San Diego
- [Da-Lin Zhang](#) - University of Maryland

The Workshop is open to all interested parties, but because space is limited, registration is required. To register, simply send an email to the workshop organizer, [Michelle Cordero](#), stating your name, institution, and which days you plan to attend. Formal admission will be granted on a first-come, first-served basis, so please register early if you plan to attend. Some space will be held aside for Courant attendees.

The workshop will take place in **room 102** on the first floor of the Courant Institute at Warren Weaver Hall, New York University, 251 Mercer Street, NY, NY 10012.

The Workshop is sponsored jointly by the Center for Atmosphere Ocean Science and the Morse Chair of Arts and Sciences at New York University (Andrew Majda).



Center for
Atmosphere Ocean Science
 Courant Institute of Mathematical Sciences

CAOS Workshop 2006: Vortices and Waves in Geophysical Flows

	Friday	Saturday
8:30 - 9:00	<i>Continental breakfast</i>	
9:00 - 10:00	Andrew Majda: Angular Momentum, Statistical Mechanics, and Intense Geophysical Vortices	Oliver Buhler: Internal waves in the atmosphere and ocean
	<i>Coffee break</i>	
10:30 - 11:30	Mike Montgomery: Incipient Hurricane Formation Revisited	Sonya Legg: Internal tides at topography: nonlinearity and breaking
11:30 - 12:30	Nick Hall: African Easterly Waves: Observations and Modelling	John Schinocca: Waves, Vortices and Climate Change
Lunch		
2:00 - 3:00	Rupert Klein: Multi-scale analyses for intense atmospheric vortices	Stefan Llewellyn Smith: Internal-wave interactions with vortices and topography: NIO dispersion and generation of internal tides
	<i>Coffee break</i>	
3:30 - 4:30	Da-Lin Zhang: Recent Advances in Modeling Tropical Cyclones	Open discussion/closing remarks