

IGOR V. KAMENKOVICH

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PROFESSIONAL PREPARATION:

- Moscow Institute of Physics and Technology, Moscow, Russia. *General Physics, Mathematics*. 1986 – 1991
- Massachusetts Institute of Technology/Woods Hole Oceanographic Institution, MA. *Physical Oceanography*. PhD, 1997
- Joint Program on the Science and Policy of Global Change, Massachusetts Institute of Technology, Cambridge, MA. *Postdoctoral associate. Dynamics of climate change*. 1996 – 1998

APPOINTMENTS:

2007 – present Associate Professor, Rosenstiel School of Marine and Atmospheric Science, University of Miami, Miami, Florida
2004 – 2007 Research Associate Professor, Department of Atmospheric Sciences, University of Washington, Seattle, Washington
1998 – 2004 Research Assistant Professor, Department of Atmospheric Sciences, University of Washington, Seattle, Washington
1990 – 1991 Visiting Affiliate, Department of Earth, Atmospheric and Planetary Sciences, Massachusetts Institute of Technology, Cambridge, Massachusetts

FIVE MOST RELEVANT PUBLICATIONS:

1. Kamenkovich, I. and T. Radko, 2011: “Role of the Southern Ocean in setting the Atlantic stratification and meridional overturning circulation”, *J. Marine Res.*, 69, 277-308.
2. Kamenkovich, I., P. Berloff, and J. Pedlosky, 2009: “Anisotropic material transport by eddies and eddy-driven currents in a model of the North Atlantic“, *J. Phys. Oceanogr.*, 39, 3162–3175, <http://dx.doi.org/10.1175/2009JPO4239.1>
3. Kamenkovich, I., W. Cheng, E.S. Sarachik, and D.E. Harrison, 2009: "Simulation of the Argo observing system in a global ocean model“, *J. Geophys. Res.*, 114, C09021, <http://dx.doi.org/10.1029/2008JC005184>
4. Booth, J. and I. Kamenkovich, 2008: “Isolating the role of transient mesoscale eddies in mixing of a passive tracer in an eddy resolving model”, *J. Geophys. Res.*, 113, C05021, <http://dx.doi.org/10.1029/2007JC004510>.
5. Sloyan, B.M., and I.V. Kamenkovich, 2007: “Simulation of Subantarctic Mode and Antarctic Intermediate Waters in climate models”, *J. Climate.*, 20, 5061-5080, <http://dx.doi.org/10.1175/JCLI4295.1>

FIVE ADDITIONAL PUBLICATIONS:

1. Radko, T., and I. Kamenkovich, 2011: “Semi-adiabatic model of the deep stratification and meridional overturning”, *J. Phys. Oceanogr.*, 41, 751-780, <http://dx.doi.org/10.1175/2010JPO4538.1>
2. Kamenkovich, I., W. Cheng, C. Schmid, and D.E. Harrison, 2011: “Effects of eddies on an ocean observing system with profiling floats: Idealized simulations of the Argo array”, *J. Geophys. Res.*, 116, C06003, <http://dx.doi.org/10.1029/2010JC006910>

3. Kamenkovich, I., P. Berloff, and J. Pedlosky, 2009: "Role of eddy forcing in the dynamics of multiple zonal jets in a model of the North Atlantic", J. Phys. Oceanogr., 39, 1361-1379, <http://dx.doi.org/10.1175/2008JPO4096.1>
4. Kamenkovich, I.V., 2005: "The role of daily surface forcing in setting the temperature and mixed layer structure of the Southern Ocean", J. Geophys. Res., 101, C07006, <http://dx.doi.org/10.1029/2004JC002610>
5. Kamenkovich, I.V., and E.S. Sarachik, 2004: "Mechanisms controlling the sensitivity of the Atlantic thermohaline circulation to the parameterization of eddy transports in an ocean GCM", J. Phys. Oceanogr., 34, 1628-1647, [http://dx.doi.org/10.1175/1520-0485\(2004\)034<1628:MCTSOT>2.0.CO;2](http://dx.doi.org/10.1175/1520-0485(2004)034<1628:MCTSOT>2.0.CO;2)

SYNERGISTIC ACTIVITIES:

- Served as a reviewer for: The National Science Foundation, Natural Environment Research Council (UK), U.S. Civilian Research and Development Foundation; American Journal of Physics, Climate Dynamics, Dynamics of Atmospheres and Oceans, Geophysical Research Letters, Journal of Atmospheric and Oceanic Technology, Journal of Climate, Journal of Geophysical Research, Journal of Marine Research, Journal of Physical Oceanography, Marine and Freshwater Research, Nature, Ocean Science
- Served on an NSF panel (Arctic Sciences)
- Serves on the CLIVAR PSMI Panel

EXTERNAL COLLABORATORS (within the last 48 months):

Pavel Berloff (Imperial College, UK), James Booth (NASA GISS), Wei Cheng (University of Washington), Pierre-Yves Dare (not known), Thomas Farrar (Woods Hole Oceanographic Institution), Rana Fine (RSMAS), Boris Galperin (University of South Florida), Zulema Garraffo (SAIC, Camp Springs), Michael Ghil (University of California), D.E. Harrison (Pacific Marine Environmental Laboratory, University of Washington), Angelique Haza (RSMAS), Andy Hogg (Australian National University), William Johns (RSMAS), Sergey Karabasov (Cambridge University, UK), Benjamin Kirtman (RSMAS), Dmitriy Kondrashov (University of California), Sergey Kravtsov (University of Wisconsin), Joseph Pedlosky (Woods Hole Oceanographic Institution), Timour Radko (Naval Postgraduate School), John Peters (University of Wisconsin), Irina Rypina (Woods Hole Oceanographic Institution), E. S. Sarachik (University of Washington), Eric van Sebille, Claudia Schmid (NOAA/Atlantic Oceanographic and Meteorological Laboratory), Kevin Speer (Florida State University), Josh Willis (Jet Propulsion Laboratory).

Graduate advisor: Joseph Pedlosky (Woods Hole Oceanographic Institution)

Postdoctoral advisors: Peter H. Stone (Massachusetts Institute of Technology) and Jochem Marotzke (Max-Planck Institute, Germany)

Graduate student Advisees: (Total = 3) James Booth (University of Washington), Myeong Hee Han (RSMAS), Changheng Chen (RSMAS)