

CONTACT INFORMATION	University of Hawaii Department of Meteorology 2525 Correa Road, HIG 350 Hololulu, HI 96822, USA	Tel: (+1) 808 956 7110 E-mail: ckaramp@hawaii.edu ck2424@columbia.edu																
RESEARCH INTERESTS & SKILLS	ENSO predictability, Response of mid-latitude atmospheric circulation to climate change and variability, ENSO in past climates, Dynamical Systems Theory, HydroInformatics. Skills: Climate model simulations, Advanced statistical analysis, Model optimization.																	
EDUCATIONAL BACKGROUND	<table border="0"> <tr> <td>PhD</td> <td>Columbia University</td> <td>Earth & Environmental Engineering</td> <td>2012</td> </tr> <tr> <td>MSc</td> <td>A.U.Th.</td> <td>Environmental Protection & Sustainable Development</td> <td>2007</td> </tr> <tr> <td>MSc</td> <td>A.U.Th.</td> <td>Hydraulics & Environmental Engineering</td> <td>2006</td> </tr> <tr> <td>Diploma</td> <td>Aristotle University of Thessaloniki (A.U.Th.)</td> <td>Civil Engineering</td> <td>2006</td> </tr> </table>	PhD	Columbia University	Earth & Environmental Engineering	2012	MSc	A.U.Th.	Environmental Protection & Sustainable Development	2007	MSc	A.U.Th.	Hydraulics & Environmental Engineering	2006	Diploma	Aristotle University of Thessaloniki (A.U.Th.)	Civil Engineering	2006	
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PUBLICATIONS	<p>C. Karamperidou, P.N. Di Nezio, et al., <i>"The response of ENSO flavors to orbital forcing"</i>, to be submitted, <i>Paleoceanography</i>.</p> <p>C. Karamperidou, M.A. Cane, U. Lall, A.T. Wittenberg, <i>"Intrinsic modulation of ENSO predictability viewed through a local Lyapunov lens."</i>, revised, in press, <i>Climate Dynamics</i>.</p> <p>C.Karamperidou, V. Engel, E. Stabenau, U. Lall and T. Smith III. <i>"Implications of multi-scale sea level and climate variability for coastal resources: a case study for south Florida and Everglades National Park, USA."</i>, <i>Regional Environmental Change</i>, doi: 10.1007/s10113-013-0408-8.</p> <p>C.Karamperidou, F. Cioffi, and U. Lall. <i>"Surface Temperature Gradients as Diagnostic Indicators of Midlatitude Circulation Dynamics"</i>, <i>J. Climate</i>, 25, 4154-4171.</p> <p>D. Chavas, E. Yonekura, C. Karamperidou, N. Cavanaugh, K. Sherafin, <i>"US Hurricanes and economic damage: an extreme value perspective."</i>, <i>Nat. Haz. Rev.</i>, doi: 10.1061/(ASCE)NH.1527-6996.0000102</p> <p>C.Karamperidou, M.Vafeiadis, and K.L. Katsifarakis. <i>"Groundwater Resources Management Optimization by means of Artificial Neural Networks."</i>, <i>Tech. Chron. Sci. J., Technical Chamber of Greece Editions, No 2, pp. 25-32, 2010.</i></p> <p>S.Arvanitidou, C.Karamperidou, and K.L. Katsifarakis. <i>"Optimal Hydrodynamic Control of a Contaminant Plume."</i> <i>Proceedings of the Joint Conference of the Hellenic Hydraulic Union, and the Greek Committee for Water Resources Management</i>, Volos, Greece, 27-30/05/2009</p> <p>C.Karamperidou, E.Karamperidou, and K.L. Katsifarakis. <i>"Seawater intrusion into the aquifer of Eleftherae-N. Peramos, Kavala, Greece."</i> <i>WIT Transactions on Ecology and the Environment 104</i>, pp. 3-10, 2007.</p>																	

- RECENT TALKS **C. Karamperidou**, *"The response of ENSO flavors to orbital forcing: Implications for interpreting proxies"*, U.S. CLIVAR ENSO Diversity Workshop, Boulder, CO February 6-8, 2013.
- C. Karamperidou**, *"ENSO flavors in the mid-Holocene"*, AGU Fall Meeting 2012, San Francisco, CA December 3-7, 2012.
- C. Karamperidou**, *"The interacting dynamics of tropical and extratropical climate: A "reduced-space" perspective."*, U. Of Hawaii, International Pacific Research Center Seminar, April 30, 2012.
- C. Karamperidou**, *"Bias or Uncertainty: Following the bias cascade in precipitation projections."*, Workshop "Climate Change and Water Cycle, and Communicating Uncertainty, Princeton University, 30-31 March 2012.
- C. Karamperidou**, *"Assessing Uncertainties in ENSO Predictability due to Internal Variability."*, Geology, Earth & Oceanography Series (GEOS), City University of New York (CUNY), February 16th, 2012.
- C. Karamperidou**, M.A. Cane, A.T. Wittenberg, U. Lall, P.N. DiNezio, *"Irregularity in ENSO Predictability Through the Prism of Local Lyapunov Exponents."*, 24th Conference on Climate Variability and Change, 92nd American Meteorological Society Annual Meeting, N. Orleans, LA, January 22-26, 2012.
- C. Karamperidou**, M.A. Cane, A.T. Wittenberg, U. Lall, P.N. DiNezio, *"Decadal ENSO variability as reflected by Local Lyapunov Exponents."*, AGU Fall Meeting 2011, San Francisco, CA, December 5-9, 2011.
- C. Karamperidou**, *Irregularity in ENSO predictability*, DOCP seminar, Lamont-Doherty Earth Observatory, December 2nd 2011.
- C. Karamperidou**, *GCM projections of mid-latitude storm tracks viewed through the prism of low-order models*, Workshop on Hierarchical Modeling of Climate, Trieste, Italy, 18 - 22 July 2011
- C. Karamperidou**, U. Lall, V. Engel, H. Kwon, J. Obeysekera. *Projecting Impacts of Uncertain Sea Level Variability and Rise on Coastal Groundwater Systems: South Florida Applications.*, AGU Fall Meeting 2009, San Francisco, 14-18 December 2009.
 ⇒ **and over 15 posters presented in AGU, EGU, and AMS meetings.**
- SYNERGISTIC ACTIVITIES Convener of AGU Session on "Dynamics and Predictability of Midlatitude Storms in a Changing Climate", AGU Fall Meetings 2011 & 2012
 Collaborative work with the National Park Service, the USGS, and the South Florida Water Management District.
 Organizer (in collaboration with the Columbia University Club of South Florida) of the panel discussion and open to the public event: *"The Future of Water: innovative interdisciplinary approaches for resilient adaptation to climate change in South Florida"*.
 Reviewer: NSF proposals, J. of Applied Meteorology & Climatology, Regional Environmental Change, Advances in Water Resources, Weather and Forecasting.
- OTHER ACADEMIC TRAINING **Community Earth System Modeling (CESM) Tutorial**, 30 July - 03 August 2012, NCAR, Boulder, CO
Statistical Assessment of Extreme Weather Phenomena under Climate Change, NCAR ASP Colloquium, June 6-24, 2011, Boulder, CO, USA
Workshop on Hierarchical Modeling of Climate, International Centre for Theoretical Physics (ICTP), Trieste, Italy, 18 - 22 July 2011.
Summer School on Biogeodynamics and Earth System Sciences (BESS), Venice, Italy, June 11-18 2010.
- PROFESSIONAL SOCIETIES & ASSOCIATIONS American Geophysical Union (AGU), American Meteorological Society (AMS), European Geoscience Union (EGU), American Society of Civil Engineers (ASCE), International Association of Hydrogeologists, Technical Chamber of Greece (TEE-TCG)