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Education:

2003-2006	Columbia University/Lamont-Doherty Earth Observatory PhD in Climatology/Hydrology (Advisor: Bruno Tremblay, now at McGill Univ., Montreal, Canada)	New York, NY
2002-2003	Columbia University/Lamont-Doherty Earth Observatory Master of Philosophy in Climatology/Hydrology (Advisor: Marc Stieglitz, now at Georgia Tech, Atlanta, GA)	New York, NY
2000-2002	Columbia University/Lamont-Doherty Earth Observatory Master of Arts in Physical Oceanography (Advisor: Martin Visbeck, now at IFM-GEOMAR, Kiel, Germany)	New York, NY
1995-1999	Columbia College of Columbia University Double major in Economics and Earth/Environmental Science	New York, NY

Awards and Grants:

2008	EPSCoR Early Career Award
2007	IARC & NASA Support to organize workshop on Eurasian Hydroclimatology
2007	Dept of Energy 3-yr Contract "Co-Mentor for Total Precipitation Sensor at Barrow, AK"
2007, 2008	UAF North by 2020 International Polar Year seed funding
2006-2009	Arctic Region Supercomputing Center post-doctoral fellowship
2006	Black Rock Forest Consortium/Stiefel Foundation grant, Principal Investigator
2004, 2005	Climate Center, LDEO, seed grants for snow research station, Principal Investigator
2002-2005	NASA Earth System Science Fellowship
2002-2004	Various student travel grants, including IUGG/AGU, AMS, NSF/ADVANCE
2000-2005	Dept. of Earth and Environmental Science, CU, Graduate Fellowship
2000	Earth Institute at CU, SMART grant for interdisciplinary research, Principal Investigator

Selected Publications:

2008	Déry, S., J. Cherry, M. Stieglitz, "Climate and Hydrology of the Toolik Field Station and its Context" in Toolik Lake Long Term Ecological Research Station, ed. John Hobbie, <i>submitted</i> .
2008	Cherry, J.E., V.A. Alexeev, B.G. Liepert, P.Ya. Groisman, V.E. Romanovsky, "Acceleration of the Arctic Hydrologic Cycle: evidence from the Lena Basin, Siberia," <i>in preparation</i> .
2007	Cherry, J.E., L.-B. Tremblay, M. Stieglitz, G. Gong, S. Déry, "Development of the Pan-Arctic Snowfall Reconstruction: new land-based solid precipitation estimates for 1940-1999." <i>Journal of Hydrometeorology</i> , Vol. 8, No. 6, 1243–1263.
2007	Barry, R.G., R. Armstrong, T. Callaghan, J. Cherry, S. Gearheard, A. Nolin, D. Russell, "Chapter 4: snow". <i>Global Outlook for Ice and Snow</i> . Geneva: UNEP.
2006	Cherry, J. E., "Arctic Hydroclimatology". <i>Ph.D. Thesis</i> .
2005	Cherry, J., B. Tremblay, S. Déry, M. Stieglitz, "Solid precipitation reconstruction using snow depth measurements and a land surface hydrology model", <i>Water Resour. Res.</i> , Vol. 41, No. 9, W09401, 10.1029/2005WR003965.
2005	Cherry, J., H. Cullen, M. Visbeck, A. Small, and C. Uvo, "Impacts of the North Atlantic Oscillation on Scandinavian hydropower production and energy markets". <i>Water Resource Management</i> , 19, 673-691.

- 2002 Cherry, J., "Impacts of the North Atlantic Oscillation on Planktonic Ecosystems and the Carbon Cycle: evidence from an ocean model and a 1-D ecosystem model". *Master's Thesis*. Columbia University Dept of Earth and Environmental Science.
- 2002 Visbeck, M. J. Cherry, and H. Cullen, "The North Atlantic Oscillation and Energy Markets in Scandinavia", *Climate Risk Solutions*, 2002.
- 1996 Cherry, J. "A Democratic Bear?: an analysis of the Russian Duma election", *Helvidius, the Columbia Undergraduate Journal of Public and International Affairs*. 1996.

Media Coverage :

- 2007 Sizing Up Snowfalls, Or Their Absence. *New York Times*, 7 Jan., 2007.
- 2006 *news@nature.com* article: Arctic water flow speeding up
<http://www.nature.com/news/2006/060403/full/060403-9.html>
- 2006 Arctic stations need human touch. *Nature* 441, 133-133 (11 May 2006) News.

Experience:

Professional Work

- 2008-present *International Arctic Research Center, Institute of Northern Engineering* Fairbanks, AK
 Research Assistant Professor
- 2006-2008 *International Arctic Research Center, Arctic Region Supercomputing Center* Fairbanks, AK
 Post-doctoral Research Faculty
 (Mentors: Larry Hinzman, Greg Newby, and Vladimir Alexeev)
- 2000 *Center for International Earth Systems Information Networks* Palisades, NY
 Research Assistant on Environmental Sustainability Index project. Designed interactive software application for the database. Designed and maintained database for the State Capacity Task Force.
- 1999 *Natsource, LLC* New York, NY
 Intern on the Weather Derivatives brokerage desk. Worked with mathematical pricing models of weather risk management products.
- 1999 *Woods Hole Oceanographic Institution* Woods Hole, MA
 Summer internship in Physical Oceanography. Compared NCAR model of ocean circulation to 40 years of observations in the North Atlantic, with Dr. Terry Joyce.
- 1998 *Lamont-Doherty Earth Observatory* Palisades, NY
 Summer internship in Physical Oceanography. Project on Economic Impacts of the North Atlantic Oscillation with Dr. Martin Visbeck.

Teaching

- 2008 *International Arctic Research Center, University of Alaska* Barrow, AK
 Lecturer for Climate Change and Sea Ice summer school.
- 2007 *Geophysical Institute STEP Program, University of Alaska* Fairbanks, AK
 Lecturer for K-12 teacher program on Climate Science.
- 2006 *International Arctic Research Center, University of Alaska* Toolik LTER, AK
 Teaching Assistant for Climate, hydrology and ecology summer school.
- 2003-4 *GSAS Teaching Center, Columbia University* New York, NY
 Participant in a number of teaching workshops including, "Techniques for Teaching Active Learning", "Mentoring Undergraduate Researchers", "How to be a Great Teaching Assistant", "How to build a teaching portfolio", "How lead science discussion sections", and "Preparing a teaching statement."
- 2004 *Double Discovery Center, Columbia University* New York, NY
 Volunteer chemistry and math tutor to disadvantaged high school students.
- 2003 *School of International and Public Affairs, Columbia University* New York, NY
 T.A. for "Environmental Science for decision-makers". Prepared and delivered weekly lecture and homeworks for laboratory on quantitative methods.

2001	<i>Columbia College, Columbia University</i>	New York, NY
	T.A. for "Introduction to the Climate System". Ran weekly laboratory section.	
1996	<i>Americorps</i>	New York, NY
	Mathematics tutor at the Holcolm Rutgers Center in Harlem, NY. Working with junior high-age boys at risk.	

Fieldwork

2007-present	Principal Investigator, Co-mentor for DOE-ARM Total Precip Sensor	Barrow, AK
2007-present	Principal Investigator, UAF meteorological station network	Seward Peninsula, AK
2007-present	Collaborator on UAF Longterm Hydrometeorological Observation	North Slope, AK
2007-present	Collaborator on UAF North Slope Lakes Project	North Slope, AK
2006	Visiting researcher with Jim McClelland (Univ. Texas-Austin)	North Slope, AK
2006	Field assistant for Larry Hinzman (Univ. Alaska Fairbanks)	Seward Peninsula, AK
2005	Principal Investigator, Columbia University ice station	Kirkenes, NORWAY
	NABOS cruise aboard I/B Kapitan Dranitsyn, Laptev Sea	
2004-present	Principal Investigator, snow research station at Black Rock Forest	Cornwall, NY
2004	USCG Healy Research Cruise	Bering, Chuckchi, Beaufort Seas
	Chief Scientists: B. Pickart (WHOI) and T. Weingartner (UAF). CTD watchstander on Shelf-Basin Interaction project.	
2001	R/V Oceanus Research Cruise	Reykjavik, ICELAND
	Chief Scientists: B. Pickart (WHOI) and B. Smethie (LDEO). Worked with CFC gas chromatography to determine deep water formation pathways in the Irminger Sea.	
1998	Sea Education Association cruise in Sargasso/Caribbean Seas	Woods Hole, MA
1997	Columbia University Earth Science Semester at Biosphere 2	Oracle, AZ

Summer Schools

2007	Weather Research and Forecasting (WRF) Model Tutorial	Fairbanks, AK
2006	IARC Summer School on Arctic Climate and Biology (T.A.)	North Slope, AK
2005	NATO Advanced Study Insitute on Season-Interannual Climate Pred.	Gallipoli, ITALY
2005	IARC-NABOS Arctic Climate School	Laptev Sea
2003	Arctic Climate Modeling with John Walsh and Vladimir Alexeev	Fairbanks, AK
2002	NCCR Summer School on Climate Science and Social Impacts	Grindelwald, SWITZLD
2000	Decadal-Centennial Climate Variability Colloquium	Boulder, CO

Policy-related

2004	<i>American Meteorological Society Summer Policy Colloquium</i>	Washington, DC
	Program to educate scientists about government policy-making and government-science relations.	
2002	<i>Risk Roundtable Participant & Meeting Assistant</i>	Palisades, NY
	Meeting with government and industry leaders on environmental, social and financial risk. Run by Hazards Research Center and the Wharton School of Economics.	
1997	<i>Udall Center for Public Policy</i> , Intern on post-NAFTA pollution issues.	Tucson, AZ
1996	<i>Nebraska American Indian Intertribal Council</i>	Lincoln, NE
	Researched, Wrote, and Presented at Intertribal Meeting a Five Year Agenda which considered everything from Native American education to health and housing issues.	
1995-1996	<i>Ruth Messinger for Mayor</i>	New York, NY
	Campaign intern and Columbia University liaison. Did fundraising planning and policy research.	
1994-1995	<i>Cablevision Public Access</i>	Lincoln, NE
	Assistant Producer of a public television show about local politics on which the Nebraska Governor, Ben Nelson, was a guest. Helped produce programs about issues like Affirmative Action and property taxes.	

Service

2007-present	Member, American Meteorological Society Polar Meteorology and Oceanography Committee
2006-present	Member, Alumni Board of Lamont-Doherty Earth Observatory
2006-2007	IARC Seminar coordinator, University of Alaska Fairbanks
2004-2005	Student representative to the Lamont-Doherty Women's Forum committee
2003-2005	Founder, student-led curriculum reform movement, Dept Earth Science, Columbia
Ongoing	Manuscript reviews for <i>GRL</i> , <i>Hydrologic Processes</i> , <i>WRM</i> , Proposal reviews for NSF

Talks and Poster Presentations:

2008	<i>Science in the Parks Conference</i> Talk on "Climate Drivers on the Seward Peninsula"	Fairbanks, AK
2008	<i>Alaska Center for Climate Assessment and Policy</i> <u>INVITED</u> talk for teleconference on "Uncertainties in the Arctic Water Cycle"	Fairbanks, AK
2008	<i>IARC Summer School</i> Lecture on "Atmospheric measurements and modeling" followed by site tour.	Barrow, AK
2008	<i>Arctic System Model Organization Workshop</i> Talk on "Including Human Systems in Climate Modeling"	Boulder, CO
2008	<i>Little Alaska Weather Symposium</i> Talk on "Representation of Snow in the WRF Model"	Fairbanks, AK
2008	<i>Advanced Hydrology Course</i> Guest lecture on Hydroelectric Power for Daqing Yang's class.	Fairbanks, AK
2008	<i>Water and Environmental Research Center</i> Seminar on Climate and Hydrology of Toolik LTER	Fairbanks, AK
2008	<i>Dept of Energy Atmospheric Radiation Measurement Program</i> <u>INVITED</u> talk on "The Challenges of Measuring Precipitation on Alaska's North Slope" at annual science meeting	Norfolk, VA
2007	<i>American Geophysical Union Meeting</i> Talk on "Eurasian Hydroclimatology: observations, change, attribution, and impacts" (results of workshop) and poster "Cyclones of the Arctic: Definitions, Seasonal Trends and Patterns, and Links to the Freshwater Cycle"	San Francisco, CA
2007	<i>Workshop on Eurasian Hydroclimatology: observations, change, attribution, and impacts</i> <u>ORGANIZER</u> , talk on "People and Hydroclimatological Change in Northern Eurasia: reindeer, energy, and water."	Fairbanks, AK
2007	<i>Workshop on High Latitude Processes and Climate Change (PMEL)</i> <u>INVITED</u> Talk on "Hydrologic variability in the Arctic."	Seattle, WA
2007	<i>Arctic Energy Summit</i> Talks on "Economic impacts of climate variability in the Arctic: the case of hydropower" and "Climate monitoring in the Arctic: benefits for science and industry"; member of panel on "Infrastructure Under Climate Change."	Anchorage, AK
2007	<i>NSF Fresh Water Initiative Workshop</i> Participant	Bodega Bay, CA
2007	<i>American Meteorological Society Polar Meeting</i> Joint with Eastern Snow Conference. Talk on "Update on the Pan-Arctic Snowfall Reconstruction Product."	St. John's, Newfoundland, CANADA
2007	<i>ARCUS Forum</i> Posters on PASR and Lena River projects	Washington, DC
2007	<i>American Water Resources Association-Alaska Annual Meeting</i> Talk on "Development of a Pan-Arctic Snowfall Reconstruction."	Fairbanks, AK
2007	<i>National Snow and Ice Data Center (NSIDC)</i> Talk on "Development of a Pan-Arctic Snowfall Reconstruction."	Boulder, CO
2007	<i>Great Alaska Weather Modeling Symposium</i> Talk on "Development of a Pan-Arctic Snowfall Reconstruction."	Fairbanks, AK
2007	<i>Global Climate Change in the Arctic-7</i>	Fairbanks, AK

2006	Talk on "Acceleration of the Arctic Hydrological Cycle." <i>American Geophysical Union Meeting</i>	San Francisco, CA
2006	Poster on "Acceleration of the Arctic Hydrological Cycle." <i>Cryospheric Indicators of Climate Change (CliC) Meeting</i>	Cambridge, UK
2006	Talk on "Development of a Pan-Arctic Snowfall Reconstruction." <i>Massachusetts Institute of Technology</i>	Cambridge, MA
2006	<u>INVITED</u> talk on "Acceleration of the Arctic Hydrological Cycle." <i>Water and Environmental Research Center</i>	Fairbanks, AK
2006	Talk on "Arctic Hydroclimatology: research overview." <i>Atmospheric and Environmental Research, Inc.</i>	Lexington, MA
2006	<u>INVITED</u> talk on "Acceleration of the Arctic Hydrological Cycle." <i>Arctic Region Supercomputing Center</i>	Fairbanks, AK
2006	Talk on "Arctic Hydroclimatology: research overview." <i>Goddard Institute for Space Studies</i>	New York, NY
2006	Workshop on Climate Change Scenarios for New York City <u>INVITED</u> talk on "Monitoring Snow as a Water Resource in NYC." <i>European Geophysical Union Meeting</i>	Vienna, AUSTRIA
2005	Talk on "Acceleration of the Arctic Hydrologic Cycle." <i>85th Annual American Meteorological Society Meeting</i>	San Diego, CA
2004	Talk on "Arctic solid precipitation reconstruction using snow depth measurements and a land surface hydrology model." <i>Workshop on Hydrological Modeling of Freshwater Discharge from the Alaskan Arctic Coast</i>	Fairbanks, AK
2004	Talk on "Arctic Snowfall Reconstructions." <i>8th International Precipitation Conference</i>	Vancouver, CANADA
2004	Talk on "Snowfall Reconstructions using Snow Depth and a Land Surface Hydrology Model." <i>Spring American Geophysical Union Meeting/Joint Assembly</i>	Montreal, CANADA
2003	Poster presentation on "Solid Precipitation Reconstructions with a Land Surface Hydrology Model." <i>International Union of Geology and Geophysics</i>	Sapporo, JAPAN
2002	Poster presentation on "Winter precipitation constructions in the Mackenzie basin and their relation to the Pacific/North American Pattern." <i>Fall American Geophysical Union Meeting</i>	San Francisco, CA
2001	Poster presentation on "Hydrological and climatological impacts of the North Atlantic Oscillation in Norway and Sweden." <i>Atlantic CLIVAR Meeting</i>	Boulder, CO
2000	<u>INVITED</u> talk on NAO Hydropower impacts in Norway. Poster presentation on "NAO Biogeochemical impacts in an OGCM." <i>Chapman Conference on the North Atlantic Oscillation</i>	Orense, SPAIN
	Presented poster on "Impacts of the NAO on Hydropower in Norway."	

Professional Memberships: American Geophysical Union, American Meteorological Society, American Water Resources Association (Alaska Chapter), United States Permafrost Association

Relevant Skills: Proficient in French. Proficient in Unix/Linux, Mac OSX, Windows 98/2000/XP, EXCEL, WP, WORD, MATLAB, FORTRAN90/77, LaTeX, Adobe Illustrator, and basic web design. Recent training in Python. Experience in numerical modeling, data assimilation, field experiment design and implementation, and grant-writing.