

Department of Atmospheric and Environmental Sciences

The Chair's Corner

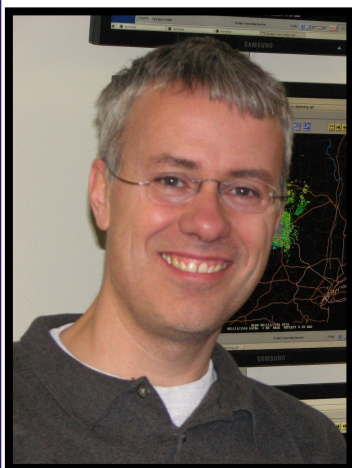


Photo: Maria Moon

I am very excited to be writing this chair's report for the first edition of our Departmental newsletter – and especially since the Department has much to celebrate and share. This newsletter has long been coming but from now on we plan to create these every year – it's a great way to communicate what is going on and, in particular, to stay in touch with our alumni.

It's been a very busy year in the Department. The biggest event during Fall 2010 was undoubtedly the successful 2-day symposium to celebrate 50 years of Atmospheric Science in Albany. It was a pleasure to meet so many colleagues and friends of the Department and ASRC and to hear about the latest research being done by some of our alumni. The event was very well attended. The public lecture by Dr. Kevin Trenberth on climate change, in particular, was very well received by all who attended. Motivated by the success and interest in the public lecture, we have decided to make this an annual event. Professor Kerry Emanuel (MIT) gave this year's public lecture, an intriguing and very stimulating talk entitled "Black Swan Tropical Cyclones".

In further recognition of the 50th Anniversary we decided to start hosting alumni parties at the annual AMS meetings. Given how many alumni we have and given the interest we all have in meeting up and chatting about old times, it amazes me that we haven't had these events sooner. Our first event took place on January 25, 2011 in Seattle. Many thanks to all who came; it was great fun to meet so many friends and alumni of the Department. I look forward to seeing you all again in New Orleans on January 24, 2012!

Spring was a very busy but exciting time for us in the Department as we carried out a successful search. The search resulted in the recruitment of two new faculty. We are very excited to welcome back to the Department Assistant Professor Kristen Corbosiero (PhD '05) who will continue her research on hurricanes and tropical meteorology. We are also very happy to welcome Research Associate Professor Liming Zhou – an expert on land surface remote sensing and land-atmosphere-climate interactions. These are tremendous hires who will clearly strengthen our research and teaching portfolios.

The good news is that we are recruiting again! We are currently seeking faculty to strengthen our research and teaching in climate and specifically in two possible areas: Ocean-Atmosphere Interactions and also in Climate-Cryosphere Dynamics and Feedbacks. Such new faculty are particularly important for strengthening the popular Environmental Sciences major, as well as expanding our research portfolio. In addition, we are in the process of hiring new faculty in support of a "Weather-Climate Interactions and Society" initiative. I would also like to announce that Andrea Lang will be joining the Department Faculty in Fall 2012. Andrea's PhD research was concerned with upper-level fronts and she is currently doing a postdoc in the Department.

We are very proud of all students in our graduating classes in Atmospheric Science and Environmental Sciences. Special mention goes to our award-winning students: Bachelors of Science Alicia Bentley, Sara Ganetis and Gabriel Susca-Lopata. I would also like to congratulate our Narayan R. Gokhale Distinguished Research Scholarship Award and Bernard Vonnegut Teaching Award recipients: Dr. Thomas J. Galarneau Jr. (PhD '10) and Dr. Jason Cordeira (PhD '11) respectively. Congratulations to all!

Finally – as I said above I am very enthusiastic about this newsletter as a way of keeping in touch with friends and alumni of the Department. I would also like to make you aware that links to our Facebook and Times Union blog sites can be easily found on our department homepage: www.atmos.albany.edu. You will see announcements for seminars, PhD defenses, MS talks, departmental news, as well as entries from our [Weather and Climate blog](#) hosted by the [Albany Times Union](#).

Cheers,

Chris Thorncroft
Professor and Chair

Forecasting Exercise in support of the Hurricane and Severe Storm Sentinel Project

The [Hurricane and Severe Storm Sentinel \(HS3\)](#) is a five-year NASA mission specifically targeted to investigate the processes that underlie hurricane formation and intensity change in the Atlantic Ocean basin. Led by Scott Braun and Paul Newman from NASA Goddard, this \$30-million project involves a team of PIs in the US including Chris Thorncroft from the Department. HS3 is motivated by hypotheses related to the relative roles of the large-scale environment and storm-scale internal processes on genesis and intensity change of hurricanes. HS3 will utilize two Global Hawks (an unmanned aircraft- see figure), one with an instrument suite geared toward measurement of the environment and the other with instruments suited to inner-core structure and processes.



Field measurements will take place for one month each during the hurricane seasons of 2012-2014. In preparation for the 2012 campaign, there was a “dry run” during this past September. This involved daily conference calls between HS3 PIs and their students to discuss the current weather conditions and forecasts in the tropical Atlantic and Caribbean, and to make decisions on how to deploy the two Global Hawks as if the experiment were taking place. Two of our PhD students, Alan Brammer and Michael Ventrice, were part of the forecasting team that included four other students from the University of Utah and University of Maryland. As part of this exercise they were responsible for conducting weather briefings for the HS3 team. The exercise was extremely useful preparation for next year and valuable experience for Alan and Michael who will be involved with in-the-field forecasting during the actual campaign.



Weather & Climate Blog

In January, several members of DAES began a [Weather and Climate](#) blog on the Albany Times Union website. The group of bloggers consists of Professor and Chair Chris Thorncroft, Assistant Professor Paul Roundy, and Assistant Professor Mathias Vuille; Instructional Support Staff Ross Lazear, Instructional Support Staff Emeritus Mike Landin, and Professional Staff Kevin Tyle; Alumni Heather Archambault (PhD'11) and Brent McGrady (BS'07), and PhD Students Chris Colose, Kyle Griffin and Matt Potter.

The blog covers a wide variety of topics in the field, from climate change to local weather events. Several recent articles have been devoted to teaching important facts and new research about the current and future state of the earth's climate. As Hurricane Irene took aim on the northeast in August, bloggers provided frequent updates of the storm's progress.



DAES Facebook Page

In addition to the blog, the DAES also launched a group page on Facebook, whose members can learn about the latest departmental news and events. An RSS feed of the aforementioned blog is also provided on the Facebook page. A link to the Facebook group can be found on our homepage:

<http://www.atmos.albany.edu>

13th Northeast Regional Operational Workshop (NROW)

The 13th annual NROW was held November 2-3, 2011 at the CESTM Auditorium on the UAlbany campus. The annual workshop is sponsored by both the National Weather Service at Albany, and DAES. Topics included recent major northeast weather (cold and warm season) events, hydrology, lake-effect precipitation, mesoscale modeling and integration of new technology in operational forecasting, and CSTAR funded research.

For more information, visit <http://www.erh.noaa.gov/aly/NROW/nrow13.htm>.

Thank You Donors!

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Chris Thorncroft, Kevin R. Tyle, UAS Albany, VAISALA, Joseph Villani,
David J. Vollaro, Wei-Chyung Wang, Kathy E. Webber,
Gary S. Wojcik, and John Zack.

August 1, 2010 – August 31, 2011

Featured Alumnus: Mike Augustyniak (B.S. 2000, M.S. 2008)



Capital District native, former WRGB-TV and Emmy award-winning meteorologist Mike Augustyniak took the time out of his busy schedule to answer some questions about his experiences as a student in our department. Mike now appears on the [CBS affiliate WCCO-TV in Minneapolis](#).

What made you choose the University at Albany to pursue your studies in the field?

UAlbany was on a short list of schools that I was considering. My first introduction to the program was when I was in high school. My parents set up a tour of the weather center and maproom with Lecturer Mike Landin. Coincidentally, during my senior year of high school, Landin provided weather forecasts for WGY, the radio station at which I was interning. He was also a fill-in meteorologist at Channel 10, WTEN, where I was a weather watcher. Both of these experiences made a positive impression on me. I knew

that I would be able to continue with my radio internship if I didn't go away to school. Coupled with the fact that one of my best friends would also be attending UAlbany, my undergraduate choice was made.

How did your experiences as a student here help to pave the way for your professional career on the tube?

Thankfully, the atmospheric sciences program at UAlbany introduced me to professionals from different branches of the meteorological community and, by my junior year, I was seriously considering a career in the National Weather Service. During my senior year, however, I was able to complete an internship at WTEN-TV. That experience made me realize that while the "safe" decision was to take a job outside of TV, my true passion was broadcasting the weather. The internship led to a job offer during the fall semester of my senior year in college ...which was amazing to me at the time. I took it as a positive sign that I had whatever it took to make a career in TV and, while I didn't end up taking that job, I was hooked.

Tell us about your M.S. thesis research on Mohawk-Hudson convergence (MHC). Was it a topic suggested to you by your advisor (Distinguished Research Professor Lance Bosart), or something that you perceived as a forecast problem as a TV meteorologist? My top goal was to choose a topic that would be useful to me on a daily basis as an operational forecaster. Lance and I discussed a few topics in our initial meetings but MHC was the one that resonated most with me. In fact, I (and many others) blew a forecast due to MHC at the time I was choosing my thesis topic.

Who were your most memorable professors?

Mike Landin became a teacher of mine before I even enrolled at UAlbany. The tour that he led marked the true beginning of my weather education. He showed me what meteorology students did, told me how to be a part of Doc Taylor's weather-watcher network, and fed my excitement about the weather. I still rely on the knowledge that Mike's forecasting provided. Mike's encouragement made the difference when I was considering grad school. Once in grad school, Lance Bosart's advice helped to carry me through. On many occasions Lance's belief in me surpassed my belief in myself. He deserves the credit not only for nurturing the researcher in me, but also for teaching me how to think critically about day-to-day forecasting. After graduating, Bob Keesee gave me a unique opportunity to "pay forward" the guidance and advice that I received in my school career. Bob invited me to speak annually to his undergraduate class as part of the same series that helped me decide which career path to take.

What advice do you have for students interested in broadcast meteorology or perhaps more generally meteorology as a career?

- (1) *The atmosphere always wins.* You might think you're the master of your nested-grid domain... but you're not. Be humble when you nail a forecast, so that your peers (or viewers) are on your side when the next forecast busts.
- (2) *The public does not have a meteorology degree.* Don't treat your forecasts like lectures, and resist the urge to use weather terms that "prove" what an expert you are. A *real* expert uses their training to make a complex topic understandable and useful to the masses... and occasionally tricks them into learning something along the way.
- (3) *We expect you to be more than a meteorologist.* Collectively, your viewers have had a wide range of life experiences and they expect you to understand *their* life. "Relatability" is the difference between being an acquaintance and being the friend they invite into their homes. So... read. Follow politics. Learn about cities and towns in your area that you will never visit. Travel. The more you have done, the more you'll be able to relate to what *they* do.
- (4) *You will hate everything you do on TV for the first year of your career.* (It'll be more like two years if you're working part time.) During the following two years you will be exactly half as talented as you think you are, and twice as opinionated as you should be. Despite all of this, people will be willing to help you, if you'll just listen. Watch tapes of your performances and be open to fair criticism from opposing viewpoints. The most honest and useful advice will almost never come from your friends or family, who want to see you happy at almost any cost.

50 Years of Atmospheric Sciences at UAlbany

In collaboration with the Atmospheric Sciences Research Center (ASRC), the Department celebrated its 50th anniversary with a two-day symposium on October 3-4, 2010. Held at the D'Ambra Auditorium in the uptown campus' Life Sciences Research Building, invited speakers presented talks on a variety of topics.

Following a welcoming address by UAlbany President George Philip, National Center for Atmospheric Research scientist Dr. Kevin Trenberth commenced the program Sunday evening with his keynote address, entitled "The Scientific Evidence for Global Climate Change and Ramifications for Society", which was followed by a coffee and dessert reception. Monday featured two sessions. The morning session, "Relevance of the Atmospheric Sciences", included talks from James Anderson (Harvard University), Michael McCracken (Climate Institute), Geoff DiMego (National Weather Service), and Richard Pyle (Vaisala). The afternoon session, "Research and Educational Experience", consisted of talks from Christian Hogrefe (NYS Department of Environmental Conservation), Perry Samson (University of Michigan), Greg Hakim (University of Washington), Gary Lackmann (North Carolina State University), and Everette Joseph (Howard University).

After the talks adjourned, attendees wine and dined at the Albany Marriott Hotel. Current and past faculty, staff, and students mingled with alumni and other friends of the department for a memorable evening which featured remarks from Eugene McLaren, who taught the first Atmospheric Science course at the University, past and current Department Chairs, and past and current ASRC Directors.



Ken Demerjian (Ray Falconer Endowed Chair, ASRC Director 1987-present, DAS Chair 1989-1991); **Vince Idone** (Associate Professor and former DEAS Chair 1999-2008); **Jon Scott** (Professor Emeritus and former DAS Chair 1991-1996), **Harry Hamilton** (former Provost and Executive Vice President at Chapman University, Orange, CA and former DAS Chair 1976-1983); **Lance Bosart** (Distinguished Professor); **Chris Thorncroft** (Professor and DAES Chair 2008-present); and **Volker Mohnen** (Professor Emeritus and past ASRC Director 1976-1986).

Photo: Maria Moon

2011 ANNUAL PUBLIC LECTURE



This past November, the annual Atmospheric Sciences at Albany Seminar Series brought in [Dr. Kerry Emanuel](#), Breene M. Kerr Professor of Atmospheric Science at MIT. The Annual Public Lecture is held in Recognition of the Anniversary of the Atmospheric Sciences Programs established in 1961. Dr. Emanuel presented new research on "Black Swan Tropical Cyclones", events we may have previously thought were impossible, but based on realistic long-term climate simulations appear possible. Examples of these rare, but catastrophic tropical cyclones in both current and projected climate simulations were presented. Such events haven't yet been observed, but are examples of the worst possible landfalling tropical cyclones for various locations around the world.

2011 Graduate Awards:

Narayan R. Gokhale Distinguished Research Scholarship Award, and Distinguished Doctoral Dissertation Award:

Thomas J. Galarneau, Jr.

Bernard Vonnegut Teaching Award: **Jason Cordeira**

2011 Undergraduate Awards and Scholarships:

Best ATM Forecaster: **Alicia Bentley & Matthew Corbi**

Chancellor's Award for Student Excellence: **Sara Ganetis**

Distinguished Scholar-Leader Award: **Sara Ganetis**

Class of 1905 Bazzoni Fellowship: **Alicia Bentley and Gabriel Susca-Lopata**

DAES Outstanding ATM Student: **Alicia Bentley & Sara Ganetis**

DAES Outstanding ENV Student: **Christopher Ferraro**

NSF Graduate Research Fellowship: **Robert Setzenfand**

Presidential Award for Undergraduate Research: **Alicia Bentley, Sara Ganetis & Gabriel Susca-Lopata**

DAES WELCOMES...

NEW FACULTY

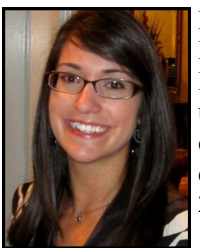


Dr. Kristen L. Corbosiero comes to us from the Department of Atmospheric and Oceanic Sciences at the University of California, Los Angeles (UCLA) where she was an assistant professor since 2007. Dr. Corbosiero received a BS with distinction from Cornell University in 1997, and achieved her MS and PhD degrees from the University at Albany in 2001 and 2005, respectively, studying the structure, intensity change, and distribution of lightning in tropical cyclones. From 2005 to 2007, Dr. Corbosiero was an Advanced Study Program postdoctoral fellow at the National Center for Atmospheric Science (NCAR), working to understand hurricane rainbands and the physical processes responsible for secondary eyewall formation using the Weather Research and Forecast (WRF) model. Dr. Corbosiero is currently pursuing research aimed at understanding the role of cloud microphysical parameterizations on the track and intensity of simulated tropical cyclones, the mechanisms of rapid intensity change in hurricanes, and the impact of eastern North Pacific tropical cyclones on the southwest monsoon region of the United States.

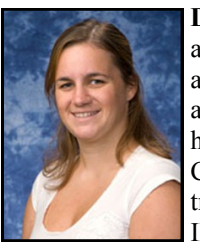


Dr. Liming Zhou joins us from the Georgia Institute of Technology, where he was a Senior Research Scientist and Program Director of Climate and Large-scale Dynamics at the National Science Foundation. Dr. Zhou received his PhD in geography (majoring in satellite remote sensing) at Boston University in 2002, and his MS and BS in meteorology (majoring in synoptic-dynamic meteorology and numerical weather prediction) at the Nanjing Institute of Meteorology in China. Before coming to the US, he was a weather forecaster (1994-1998) at China's top meteorological department. Dr. Zhou has a strong publication record in the fields of land-surface remote sensing, land-climate interactions and land-surface/climate modeling.

NEW POSTDOCTORAL FELLOWS



Dr. Andrea Lang comes to us from the University of Wisconsin-Madison, where she received her BS, MS and PhD degrees. Dr. Lang completed her PhD in July 2011 under the advisement of Dr. Jonathan Martin. Dr. Lang's dissertation focused on the structure, development, and evolution of the lower stratospheric component of upper-level jet front systems. Her research interests are in synoptic and mesoscale midlatitude dynamics, with emphases on frontal circulations and medium-range predictability of extratropical flow. Dr. Lang is currently collaborating with Professors Lance Bosart and Daniel Keyser in the department and will join our faculty in 2012.



Dr. Elinor Martin joins us from Texas A&M University where she recently completed her PhD under the guidance of Dr. Courtney Schumacher. Dr. Martin's dissertation was titled "Caribbean Precipitation in Observations and IPCC AR4 Models". Dr. Martin completed her BS degree in 2005, with First Class Honors, at the University at Reading in the UK, with one year spent at the University of Oklahoma's School of Meteorology. Two years hence, Dr. Martin received her MS degree in Atmospheric Science at Colorado State University. As part of Dr. Chris Thorncroft's NOAA/CLIVAR project, Dr. Martin's tenure here at UAlbany will leverage her interest in tropical climatology with the use of the latest suite of models and experiments designed for the upcoming 5th IPCC report.



New Graduate Students

<u>Name (L→R)</u>	<u>Previous Institution:</u>
Jaymes Kenyon	Valparaiso University
Philippe Papin	University of North Carolina, Asheville
Hanisha Hirani	Rutgers University
Alicia Bentley	SUNY at Albany
Larry Gloeckler	SUNY at Albany
Chris Colose	University of Wisconsin, Madison
Victor Torres	National Polytechnic Institute, Mexico
Sergey Kivalov	Moscow State, Russia (<i>absent from photo</i>)



DAES Class of 2011

2011 BACHELOR'S DEGREES

Bachelor of Science in Atmospheric Science

Steven H. Andrew

Alicia M. Bentley (*Summa Cum Laude & Honors Degree*)

Joshua P. Burdick (*Magna Cum Laude*)

Brian J. Castellano

Susannah L. Coon

Matthew J. Corbi

Jenifer E. Diana

Ryan C. Fuchek

Sara A. Ganetis (*Summa Cum Laude & Honors Degree*)

Rihaan Gangat

Lawrence C. Gloeckler (*Summa Cum Laude*)

Deborah Lucia

Patrick J. McNamara

Christopher Selca

Gabriel Susca-Lopata (*Summa Cum Laude & Honors Degree*)

Bachelor of Science in Earth Science

Joseph Gentile (*Summa Cum Laude*)

Bachelor of Arts in Earth and Atmospheric Sciences

Shane B. Gimbut

Bachelor of Science in Environmental Science

Elizabeth R. Bilek (*Cum Laude*)

Michael T. Bortel

Nadine A. Calma

Amanda C. Carpenter

Christopher P. Ferraro (*Summa Cum Laude*)

Kelly A. Fitzgibbon

Jonathan J. Friedland

Tina L. Ganter

Renee T. Gross (*Magna Cum Laude*)

Andrew Havassy (*Magna Cum Laude*)

Kimberly A. Jean (*Cum Laude*)

Gregory D. Johnson

Corrinne C. Kanser (*Magna Cum Laude*)

David B. Klein

Peter K. Minotti

Christopher Motti (*Summa Cum Laude*)

David J. Oropallo (*Summa Cum Laude*)

Christopher S. Sager

Fumi Wada

Jacob Widmann

GRADUATES

MASTER'S DEGREES

Fall 2010

Jonas V. Asuma "Cool-season high winds in the Northeast U.S."

Timothy J. Melino Jr. "The influence of upper-level potential vorticity disturbances on severe weather in the Southwest"

Benjamin J. Moore "Synoptic-scale environments and dynamical mechanisms associated with predecessor rain events ahead of tropical cyclones"

Melissa D. Payer "Forecasting precipitation distributions associated with cool-season 500-hPa cutoff cyclones in the Northeastern United States"

Fall 2011

Dana McGlone "The associations between ENSO and tropical South American climate in a regional climate model with varying lateral boundary conditions"

Scott Runyon "A statistical analysis and synoptic climatology of heat waves over the Northeast United States"

DOCTORAL DEGREES

Spring 2011

Luiz Eduardo Medeiros "Origin and maintenance of the stable boundary layer in a patchy landscape"

Summer 2011

Heather M. Archambault "The downstream extratropical flow response to recurving Western North Pacific tropical cyclones"

Samantha J. Langton "Western equatorial Pacific climate variability from restricted basins: Century scale changes in Kau Bay to glacial-interglacial changes in the Sulu Sea"

Nicholas D. Metz "Persistence and dissipation of Lake Michigan-crossing mesoscale convective systems"

Kay L. Shelton "Easterly waves and tropical cyclogenesis in the Caribbean"

Fall 2011

Jason Cordeira "Tropical-extratropical interactions and arctic-extratropical interactions conducive to intraseasonal variability of the North Pacific jet stream"

Alan Srock "The Influence of the Great Lakes on MCS formation and development in the warm season"

Faculty/Staff News

Distinguished Professor **Lance Bosart** gave an invited talk in September 2011, at the National Hurricane Center in Miami, Florida, on the predecessor rain event (PRE) associated with tropical cyclones Ike and Lowell. A paper on this event will be published in the Monthly Weather Review in early 2012.

In 2011, Distinguished Teaching Professor **John Delano** made 28 invited talks (including a TEDx presentation), received the 2011 Citizen of the University Award, served on 3 NASA review panels (two of which involved selections of space missions), served on 6 University-level committees, and continued NASA-funded research dealing with RNA oligomerization on the prebiotic Earth.

Associate Professor **Robert Keesee** served on a panel to evaluate applications to the Environmental Protection Agency's STAR graduate fellowship program.

Professor **Daniel Keyser** is currently working on two collaborative research projects; one (with Lance Bosart) with the National Weather Service, and another with the United States Forest Service.

Professor Emeritus **William Kidd** retired December 2010 and has since been rescuing geological science map archives by creating an online database. Professor Kidd also continues to work on various unfinished geological research projects with the aim of publication.

Instructional Support Specialist Emeritus **Michael Landin** continues to teach two general education courses: The Oceans, and Natural Disasters as an adjunct instructor with DAES, after retiring in 2008.

Instructional Support Specialist **Ross Lazear** served on an emergency management task force committee for UAlbany prior to the arrival of Tropical Storm Irene, giving multiple in-depth weather briefings, with a focus on the conditions expected in the Albany area.

Associate Professor **Braddock Linsley** accepted a Research Professor and Director of the Stable Isotope Laboratory position at Lamont-Doherty Earth Observatory of Columbia University in Palisades NY, which is home to large and world-leading paleoclimate, geochemistry and geology research groups.

Research Professor **John Molinari**, Distinguished Professor **Lance Bosart**, Assistant Professor **Paul Roundy**, and 15 graduate students attended the 5th Northeast Tropical Workshop at MIT from May 16-19, 2011. The workshop is jointly sponsored by MIT and UAlbany, with participants from Columbia, Princeton, Harvard, Yale, MIT, Penn State, Skidmore and UAlbany.

Assistant Professor **Paul Roundy** and graduate students **Kyle MacRitchie**, **Naoko Sakaeda**, and **Bob Setzenfand** traveled to Melbourne, Australia, in July 2011, to present research results about the large scale organization of rainfall in the tropics at the International Union of Geodesy and Geophysics conference.

Professor and Department Chair **Chris Thorncroft** gave an invited talk to the World Bank in Washington DC in September 2011, on the African Monsoon Multidisciplinary Analysis (AMMA), with emphasis on capacity building for communities in Africa.

Assistant Professor **Ryan Torn** is working on Advanced Hurricane WRF forecasts, generated in collaboration with NCAR scientists, which are being used by National Hurricane Center forecasters.

Senior Programmer/Analyst **Kevin Tyle** is serving on the Unidata User Committee, which meets semi-annually in Boulder, Colorado.

Assistant Professor **Mathias Vuille** and graduate student **Dana McGlone** attended a meeting September 13-15, 2011, in Santiago de Chile on climate change and glacier retreat, organized by the Chilean Ministry of Foreign Affairs, by invitation from UNESCO. Professor Vuille also gave an invited talk at the meeting.

DAES Hosts Alumni Reception

Join us for our second annual DAES alumni reception at the American Meteorological Society (AMS) annual meeting
Tuesday, January 24, 2012, 6:30-9:00pm at the Rosedown Room, Hilton Riverside in New Orleans.
At last year's inaugural meeting in Seattle, we welcomed nearly 100 alumni and friends of the department!

Alumni News

Heather Archambault (PhD 2011) is working as a National Research Council Postdoctoral Fellow at the Naval Postgraduate School in Monterey, CA, under the supervision of Pat Harr and Rich Moore. Her NRC research proposal is "The Role of Diabatic Processes in Tropical Cyclone-Jet Stream Interactions".

Gareth Berry (PhD 2009) is researching the dynamics of subtropical highs and fronts as part of his postdoctoral work at Monash University in Australia.

Thomas Galarneau (PhD 2010) is a project scientist at the National Center for Atmospheric Research in Boulder, CO.

Ademe Mekonnen (PhD 2008) is working on tropics-wide intraseasonal convection and its role on wave initiation at North Carolina A & T State University in Greensboro, NC. His general interest is tropical convection and wave activity.

Nicholas Metz (PhD 2011) is an Assistant Professor of Geoscience at Hobart and William Smith Colleges.

Benjamin Moore (MS 2010) is working at the University of Colorado Cooperative Institute for Research in Environmental Sciences (CIRES), and NOAA's Earth System Research Laboratory (ESRL), examining the role of atmospheric rivers in producing heavy precipitation and flooding.

Carl Schreck III (PhD 2010) is working at the Cooperative Institute for Climate and Satellites in North Carolina (CICS-NC) where he is using novel satellite datasets to investigate the MJO and its relationship to tropical cyclone activity.

Keith Wagner (MS 2006) has been employed at Weather Routing, Inc. (WRI) in Glens Falls, NY, for the past five years as the assistant cargo operations manager and a senior forecaster.

Alicia Cacciola Wasula (PhD 2005) is an Adjunct Instructor in the Department of Biology, Chemistry and Physics at Hudson Valley Community College, Troy, NY.

Henry Wu (PhD 2010) has an institutional postdoctoral fellowship position (MARUM Fellow) at MARUM (Center for Marine Environmental Sciences) - University of Bremen in Germany.

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For more information about ways to become involved with the department, please contact:

Michael A. Boots, Development Officer, at 518-225-1229 or mboots@albany.edu

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