

Cyndie Abelman – no photo/bio available

Arlyn Andrews



Dr. Arlyn Andrews received a B.S. in Chemistry from Allegheny College and a Ph.D. in Earth and Planetary Sciences from Harvard University. She currently works in NOAA's Earth System Research Laboratory where she manages a network of sites for measuring carbon dioxide and related gases from very tall radio and television towers. The goal of the project is to provide a basis for accurate accounting of the carbon dioxide balance for North America. Arlyn has measured carbon dioxide from the surface to the stratosphere on a variety of airborne platforms, including NASA's ER-2 aircraft—a modified U-2 spy plane, and high-altitude balloons. Prior to joining NOAA in 2003, she spent four years at NASA's Goddard Space Flight Center helping to develop concepts for satellite carbon dioxide measurements. She enjoys

developing numerical modeling tools for data analysis and interpretation.

Caitlin Augustin – no photo/bio available

Mona Behl



Mona Behl is a final year Ph.D. student in Physical Oceanography at Florida State University (FSU). Her current research aims at understanding an important consequence of climate change using simple conceptual models and analytical techniques. Her dissertation topic focuses on investigating the atmospheric response to the potential slowing down of atlantic meridional overturning circulation.

Mona holds her Bachelors and Masters degrees in Physics (Honors School) from the Center of Advanced Studies in Physics, Panjab University, India. Before beginning her Ph.D. at FSU, she chose to be an educator for a few years. For her professional dedication and innovative teaching skills, she was awarded the C.V. Raman Award (2005) by the Indian Physics Association for being the top 4 teachers in the country.

Growing up in the foothills of the Himalayas, Mona has always been passionate about the environment. She has a

strong interest in ocean policy and marine management. She plans to use her understanding of issues and policy mechanisms in the US to further the development of sustainable practices in the developing world. Her overarching career goal is to improve science and society by serving as an effective liaison between the two. Outside of work, Mona enjoys traveling, reading, mountaineering and hiking. She is also a radio announcer at a national award winning college radio station, WVFS Tallahassee.

### Angela Bowman



Angela Bowman is a graduate student in Geological & Atmospheric Sciences at Iowa State University. She holds a bachelor's degree in Geology and for several years worked as an environmental geologist throughout the southwestern U.S. Most of her professional experience has been in groundwater hydrology and contaminant remediation with an emphasis on nuclear waste disposal while stationed in Los Alamos, NM. Her current research is focused on surface water hydrology and

climate variability. She is using remote sensing data to better understand dynamic rates of evapotranspiration in the upper Midwest and its effects on flood forecasting models. Angela is particularly interested in science policy that drives issues related to surface water hydrology and its impact on the lives of everyday Americans. Angela lives in Ames, IA and her spare time is consumed with traveling and enjoying life in the outdoors.

### Kathie Dello



Kathie Dello is the Deputy Director of the Oregon Climate Service, and a Faculty Research Assistant with the Oregon Climate Change Research Institute, both at Oregon State University. She is a native of upstate New York, and attended the University at Albany (State University of New York), where she received her B.S. in Atmospheric Science and M.A.

in Physical Geography. Her research interests include studying regional climate

impacts and adaptation. In her spare time she loves to discover all that the beautiful Pacific Northwest has to offer - riding her bike, hiking and river floating are some of her favorite activities.

Caitlin Forschner



I am a graduate student presently pursuing a PhD in Engineering and Public Policy through the Carnegie Mellon - Portugal Program. I have just completed my first year of study in Lisbon at Instituto Superior Tecnico, and will soon be moving to Pittsburgh to continue at CMU this fall.

The present focus of my research is to assess the relationship between meteorological effects and the transport of pollutants; currently I am working to model the movement of traffic emission pollutants through Lisbon using local meteorological and geographical data. I graduated from The University of Texas in 2010 with a degree in Chemical Engineering. During this time I worked on modeling sieve mechanisms, the hepatitis A vaccine chromatography system and sterilizing procedures.

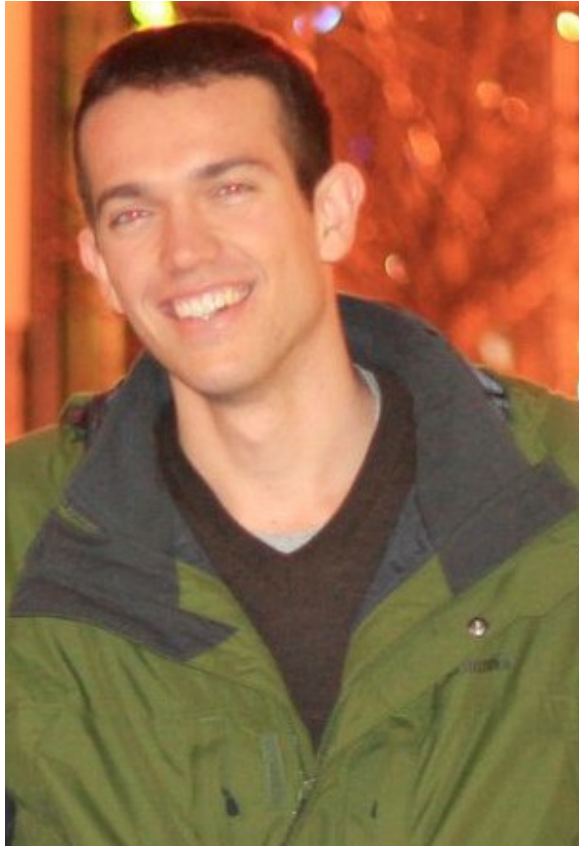
Kevin Goebbert



Kevin Goebbert joined the faculty as an Assistant Professor of Meteorology at Valparaiso University in Fall 2009 after completing his Ph.D. at the University of Oklahoma. He teaches a wide variety of courses including synoptic meteorology, numerical weather prediction, and atmospheric instrumentation. His research interests vary across the meteorological scales of motion from turbulence to synoptic frontal systems to global climate change. Recently, he has worked with a group comprised of political scientists, geographers, and meteorologists to investigate beliefs in global climate change.

Rodrigo Gonzalez – no photo/bio available

Alek Krautmann



Alek Krautmann is a graduate student in the Department of Geography at Ohio University and Associate Director of Scalia Laboratory for Atmospheric Analysis. He graduated from the University of Oklahoma in 2010 with a B.S. in Meteorology and minor in mathematics. While at the University of Oklahoma he was active in public outreach as a National Weather Center tour guide and participated in a study abroad to Monash University in Melbourne, Australia. During the summer of 2009 Alek worked at the Charleston, SC NWS office through the NOAA Hollings Scholarship Program, completing an upper-air climatology for the office. He has also worked with the Oklahoma Climatological Survey as a Southern Climate Impacts Planning Program (SCIPP) Intern during the summer of 2010. His current masters thesis research involves investigating summer heat

waves in the Midwest. Alek has served on the AMS Student Conference Planning Committee since 2010 and is co-chair for the 2012 AMS Student Conference in New Orleans, LA. Alek is originally from St. Louis, MO and enjoys swimming, hiking, traveling, and following Cardinals baseball.

Kelly Mahoney – no photo/bio available

Kevin Manross



Education:

BA Mathematics - Edinboro University of Pennsylvania (1996)

BS Meteorology - University of Oklahoma (2000)

MS Atmo. Sci. - Texas Tech University (2002)

Professional:

Started (and currently still) working at CIMMS/NSSL in July 2002 with the Severe

Weather Warnings and Technology Transfer (SWAT) team under the Warning Research and Development Division (WRDD) of NSSL. Our group focuses on applied research and R2O focusing on short fuse - high impact weather (warnings). We develop new tools for NWS forecasters. We also explore new techniques, such as geospatial severe weather products <<http://wdssii.nssl.noaa.gov>>, Probabilistic Hazards Information, Radar-based climatologies, high resolution verification, lightning impacts, etc. Our group is also responsible for running the Experimental Warning Program (EWP) of NOAA's Hazardous Weather Testbed (HWT) <<http://www.nssl.noaa.gov/projects/hwt/>>. I am also working with the NEXRAD Radar Operation Center to aid in Dual-Polarization radar training, data quality and algorithm development.

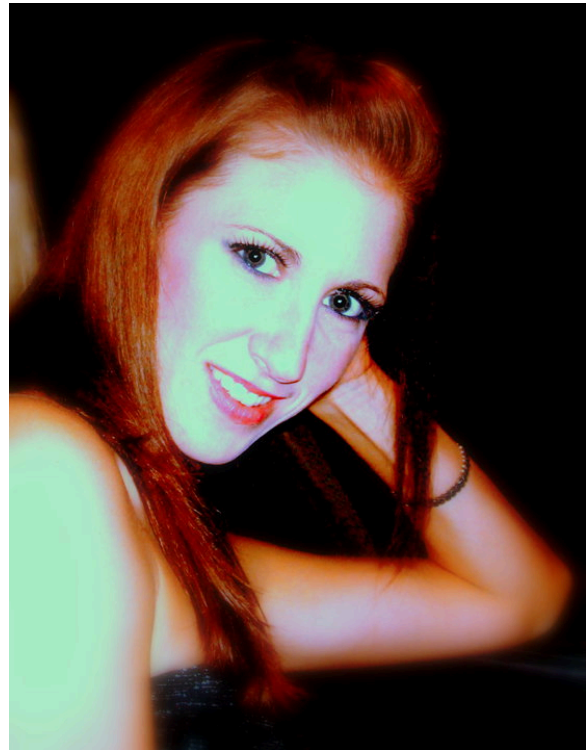
"Fun Fact": Our "RotationTracks" product has been featured quite a bit after the Alabama tornado outbreak of 27 April 2011 across NOAA as well as various news outlets like the ABC Evening News (see the WDSSII link above).

Personal:

Originally from northwest Pennsylvania, I moved to Oklahoma in 1997 to study severe weather and currently reside in Norman, OK. I am married to my wife Aileen for 9 years. I enjoy storm chasing both personally as well as NSF funded research projects such as STEPS (2000) and VORTEX2 (2009-2010). I am an adjunct faculty member at APUS and am active with my church in Newcastle, OK. I love to hike and travel as much as I can (though not as much as I would like) and visiting friends and family across the US. I am a growing photography enthusiast and web developer.

"Fun fact": I played two years of college football at small colleges in NW PA.

Sarah Moss



Sarah Moss is an Action Officer, contracted by High Performance Technologies, Inc to the National Climatic Data Center, in Asheville, NC, the world's premier center for climatic data, dedicated to providing climate services to every sector of the United States economy and to users world-wide. In her daily responsibilities, Sarah coordinates and filters all actions, tasks, and technical correspondence that flow through the Center, working with scientists and researchers to successfully contribute to the Agency's mission. In addition, Sarah provides executive-level support to the Deputy Director and is responsible for facilitating Dr. Hausman's special projects and daily tasks/meetings.

Sarah is experienced in climatology, with special emphasis on support to the Department of Defense. Having served nearly seven years as a weather officer with the United States Air Force, Sarah used her undergraduate (Penn State) and graduate

(The Naval Postgraduate School) degrees in meteorology to support the warfighter and provide climate support to our Nation's forces. Sarah has held numerous leadership positions and has traveled the world to speak to leading agencies and scientists on long range prediction and large-scale climate variations. Her graduate work in long-range forecasting was developed into an operational forecasting product used by military planners and NATO forces worldwide.

#### Nasrin Nasrollahi



Nasrin Nasrollahi is a PhD candidate at the Center of Hydrometeorology and Remote Sensing (CHRS), University of California, Irvine. She holds a BS in Civil Engineering from Toosi University of Technology and a MS in Water Resources Engineering and Management from the University of Stuttgart. Her current research is focused on implementation of multi-spectral satellite imagery and cloud classification maps in satellite precipitation algorithms. Nasrin is the recipient of the 2011 NASA Earth and Space Science Fellowship for her graduate studies.

#### David Novak



Dr. David Novak is the Science and Operations Officer for NOAA/NWS's Hydrometeorological Prediction Center (HPC). HPC is responsible for providing national weather guidance to support local weather and river forecast offices, media, and the public. Dr. Novak is responsible for directing the HPC science program, training staff, and fostering professional development. He has served on several national committees confronting the challenge of generating, assessing, and communicating weather forecast uncertainty information. Dr. Novak is Assistant Editor for *Weather and Forecasting*, and an active member of the American Meteorological Society and National Weather Association.

### Amanda Parker



Raised in New Jersey, Amanda has been fascinated by weather since a young age. This passion never faded, but her career took many turns. She received her B.S. in Human Services from Northeastern University in Boston. During her undergraduate years she participated in many community service activities including two years volunteering with preschool children through Jumpstart. She also traveled to Biloxi, MS for Hurricane Katrina relief with HandsOn Gulf Coast and studied abroad in Egypt while working with local NGOs on micro lending projects. Additionally, she helped to form a student-faculty research collaborative at Northeastern University to study the learning outcomes of students participating in experiential education programs, resulting in a joint presentation to the World Association of Cooperative Education. These leadership activities encouraged Amanda to take an internship in Washington, DC which led to the decision to pursue a career in public policy.

Amanda just completed her Master's in Public Policy, focusing on education policy analysis, at American University in Washington, D.C. Throughout her academic coursework Amanda distinguished herself as an analyst who sought to understand problems thoroughly so that the best answer could be found, rather than seeking answers

that fit her personal or political opinions. She was recognized for her skill in policy analysis and quantitative research by the American Association for Budget and Program Analysis for her study on the effects of budget cuts to education outcomes. Amanda is currently a Research Analyst for the Office of Institutional Research and Assessment at American University.

### James Peronto



James Peronto has over 15 years of operational forecasting experience and 10 years of television experience. He started his career with the NWS during undergrad when he took part in the cooperative program for the Alaska Region in Anchorage during the summer of 1993. After he graduated from the University of Wisconsin – Madison, he began a full-time position with the NWS in 1995 as an intern at the Weather Service Office in Kodiak, Alaska. In 1996, he transferred to the Anchorage forecast office and worked as an operational forecaster for several years, producing aviation, marine, and public forecasts for southcentral and southwest Alaska.

In 2000, James became the head TV meteorologist for the NWS Alaska Region. As the sole TV meteorologist within NOAA, he managed, produced, and hosted a half-hour live daily weather show called “Alaska

Weather”. The show is broadcast state-wide in partnership with KAKM Studios/PBS in Anchorage, Alaska, and reaches over 235 towns and villages, in some cases serving as their only source of weather information. In addition, he created and hosted an educational TV segment called “Alaska Weather Facts” in which he interviewed local and national specialists on weather-related topics. He also delivered a 2-minute weekday radio broadcast on National Public Radio called “Alaska Statewide Weather”.

James has been involved with a number of committees and organizations including the AMS where he served as the president of the Anchorage Chapter, acted as the diversity project liaison for the WSFO Anchorage and chaired the Local Chapter Affairs Committee. He also functioned as the outreach partner for Alaska Regional Collaboration Team.

James was the diversity coordinator for NWS Alaska Region and coordinated and acted in a NOAA funded diversity video “NOAA in Alaska: Living in Two Worlds”. He participated in the IMET program and is an AMS Certified Broadcast Meteorologist. After a 5-month work detail at the NWS Headquarters in Silver Spring, MD, working for the Public Affairs office, James now works as a program coordination officer for NOAA in Washington, DC

### Shanna Pitter



Curiosity and the search for knowledge about the world we live in has been a driving passion in life. However, it took Hurricane Gilbert devastating my home country of Jamaica in 1988 to focus my curiosity on meteorology. Throughout my career, I have found myself interested in various aspects of meteorology, from the acquisition of meaningful data to researching various phenomena to forecasting. My studies at Iowa State University led to an undergraduate degree in Meteorology with a Mathematics minor. During that time, I had several opportunities to do research during the school year, including on the Project to Intercompare Regional Climate Simulations (PIRCS) studying snow characteristics in the models and using satellite retrieved data. As a Significant Opportunities in Atmospheric Research and Science (SOARS) protégé, I did research on hurricanes and radar-retrieved hurricane products at NOAA’s Hurricane Research Division in Miami as well as snow characteristics in Global Climate Models (GCM) at the National Snow and Ice Data Center (NSIDC) in Boulder during the summers. My MS degree in Atmospheric Science at Colorado State University allowed me to learn about satellite remote sensing and do research on

retrieving cloud liquid water, column water vapor, and near surface wind speed using a satellite microwave sensor. I am currently pursuing a Professional Master of Engineering in Systems Engineering with a Project Management emphasis at the University of Maryland, College Park. Here I am learning the tools of robust engineering and project management processes to apply a broad, big-picture, portfolio-wide perspective to my professional interests.

During my early career, I worked with Itri Corporation as a subcontractor to Lockheed Martin on the Preliminary Design and Risk Reduction phase of the Geostationary Observing Environmental Satellite R series (GOES-R). There I was exposed to the practices of industry and the workings of the acquisition of a major satellite system for the United States. The experience has taught me know to apply my knowledge to serving the greater community rather than for the pursuit of knowledge and opened my eyes to effectively transferring information and knowledge to the society at large. With my current position as a program analyst at NOAA's Office of Program Planning and Integration, I am in a position to impact NOAA's planning of future weather-related activities and make recommendations on policy changes within the government to greater enhance environmental sustainability. The AMS Policy Colloquium will serve as an eye-opening experience on how policies are created in the legislative branch and will help me to better tailor NOAA's message on creating a Weather-Ready Nation.

## Nicole Ramsey



Nicole Ramsey earned a B.S. in Meteorology from the University of Oklahoma in spring 2011 and will be begin her Masters in the fall. Her undergraduate research focused on the investigation of automated warning verification as well as the underlying mechanisms of cold pool development. She presented her research on automated warning verification to the National Academy of Sciences Board on Atmospheric Sciences and Climate and at the 2011 AMS Annual Meeting. From 2009 to 2011, Nicole worked for the Cooperative Institute for Mesoscale Meteorological Studies collecting data on severe storms and updating the online weather database. Nicole first became interested in climate policy when she attended the National Center for Atmospheric Research Undergraduate Leadership Workshop. This experience proved very influential in her decision to research the intersection of meteorology, climatology, and policy in graduate school. Next spring, Nicole will be studying abroad in Hamburg, Germany to gain an international perspective on climate change in both the scientific and political community.

Sara Rasmussen



Sara Rasmussen graduated in May 2011 from the Johns Hopkins School of Public Health in the Department of Environmental Health Sciences with a Masters of Health Science. While at Johns Hopkins, she concentrated in Sustainability and Global Health. She is currently working as a research intern at the Earth Policy Institute.

Sara graduated from Washington University in St. Louis with a B.A. in Anthropology. Before starting her master's degree, Sara worked on local food policy for a year in St. Louis, Missouri.

Cory Springer



Cory Springer reported to Ball Aerospace and Technologies Corporation in December 2009 as the Director for Weather and Environment in Ball's Washington, DC office. His responsibilities include working with customers on company programs related to Earth observation, meteorology, oceanography and climate. He brings 24 years of leadership and management experience with the U.S. Navy to Ball Aerospace, which includes significant time dedicated to interagency and international cooperative efforts. He recently served on the Chief of Naval Operations staff as the Military Deputy to the Oceanographer and Navigator of the Navy; previous to that assignment he was the Director of the National Ice Center, Suitland, Maryland. He holds a B.S. in Oceanography from the U.S. Naval Academy, Annapolis, Maryland, and a M.S. in Meteorology and Physical Oceanography from the Naval Postgraduate School, Monterey, California.

Christopher Terai – no photo/bio available

Elizabeth Thompson



Elizabeth grew up in Norman, OK and earned a degree in meteorology from Valparaiso University. While at Valparaiso she explored other interests by participating in Engineers Without Borders, swimming on her school's swim team, and serving in leadership and student-mentoring positions for her department's honor society. She decided to work towards an MS in atmospheric science at Colorado State University within the radar meteorology research group after completing undergraduate internships for the US Forest Service, NOAA's National Weather Service and National Severe Storms Laboratory, and an air quality research group in Valparaiso and Houston. She continues to pursue community outreach roles at CSU while investigating the microphysics and kinematics of winter storms using the CASA radar network.

Melanie Zauscher



Melanie Zauscher is a current PhD student in mechanical engineering at the University of California, San Diego. Her research is on characterizing the chemical composition and physical properties of aerosol particles and determining their environmental effects. Once she graduates in the next 6 months, Melanie hopes to find a position through which she can help minimize the human health and climate impacts of air pollution resulting from energy use through policy, technology and education. Her undergraduate degree is in environmental chemistry. Melanie grew up in Colombia, South America.

Jeff Zimmerman



I've spent the past 25 years working in and around hydrometeorological science activities in the federal government, namely with NASA and NOAA. I have been with NOAA's National Weather Service since 1992, starting as the AWIPS Focal Point for the NWS's Office of Hydrology, ensuring that hydrologic forecast requirements were properly captured and integrated into the system design and development. In 1998, I became Chief of the Hydrologic Support Branch, responsible for providing real-time operational support and maintenance for NWS field operations related to hydrologic forecasting. In 2008, I moved to my current position as the Deputy Chief of the NWS Western Region Hydrology and Climate Services Division in Salt Lake City, UT. The Division is responsible for overseeing the operations of 3 River Forecast Centers and 24 Weather Forecast Offices as they implement hydrologic and climate service programs across 8 western states. I enjoy hiking and photography, and the many opportunities to combine the two interests throughout the intermountain west.

Brian Vasel – no photo/bio available