

Integrated Warning Team Workshop Presenter Biographies

ANDY BAILEY

WCM, National Weather Service, Pleasant Hill, MO

Andy Bailey has been a meteorologist with the National Weather Service for 16 years and is currently the Warning Coordination Meteorologist (WCM) at the NWS office in Pleasant Hill, MO. In this position he serves as the principle NWS liaison with the emergency management and media communities and is responsible for all of his office's public education and outreach activities in northwest Missouri and far eastern Kansas. Essentially his activities are aimed at making the office's forecast and warning programs more effective. Additionally, he is an ad hoc faculty member for the International Association of Assembly Manager's Academy for Venue Safety and Security where he instructs venue managers on hazardous weather threats specific to large event venues.

Prior to this position, he served as WCM at the NWS in Las Vegas, NV, General and Senior Forecaster at the NWS in Rapid City, SD and Intern at the NWS in Des Moines, IA. Prior to joining the National Weather Service Andy was employed with a private meteorological firm in Madison WI, and the ABC affiliate in Ames, IA (until his college professor told him he had a face made for radio).

KEVIN BARJENBRUCH

WCM, National Weather Service, Salt Lake, UT

As a rural Nebraska native, Kevin developed an interest in weather early on, and has his recorded weather observations from the farm taken during his grade school years to prove it. He will tell you that the impact of weather on his family's livelihood clearly had much to do with his interest in weather.

A career in Meteorology was always in the works and upon graduating from the University of Nebraska-Lincoln with a B.S. in Meteorology; he began his career at Weather Service Office Fort Wayne, Indiana in the spring of 1988. Following operational forecaster positions at Weather Forecast Offices Cleveland, then Northern Indiana, in 2004 he became the Warning Coordination Meteorologist for Weather Forecast Office Salt Lake City. This signaled a move from 16 years as an operational forecaster to a position where education and outreach were the focus. Serving as the primary customer service representative to the local community, including the Media and a diverse Emergency Management Community ranging from the Paiute Indiana Tribe to the Utah Department of Public Safety to Mountain Resorts, Kevin's current focus is on improving public awareness, preparedness, and response to hazardous weather.

JULIE DEMUTH

Associate Scientist, NCAR

Julie is an Associate Scientist III with the National Center for Atmospheric Research (NCAR) Societal Impacts Program (SIP), which is a joint program within the Research Applications Laboratory (RAL) and the Institute for the Study of Society and

Environment (ISSE). Julie's current research primarily is focused on studying decision making related to hazardous weather events, communication of forecasts and warnings of hazardous weather, and communication of uncertainty in weather forecasts. In addition to her research, Julie also co-organizes and implements the annual Weather and Society * Integrated Studies (WAS*IS) workshops and related WAS*IS efforts.

Prior to joining NCAR, Julie was a Program Officer with the National Research Council (NRC) Board on Atmospheric Sciences and Climate (BASC) in Washington, DC, where she managed congressionally mandated and agency-requested scientific studies. As part of her master's research, Julie also has collaborated with colleagues at the Cooperative Institute for Research in the Atmosphere (CIARA) in Fort Collins, CO, to develop algorithms that objectively estimate tropical cyclone intensity and structure, which are now used operationally by the National Hurricane Center. Julie is a current member of the American Meteorological Society (AMS) Board on Societal Impacts and Board on Enterprise Communication. She has a M.S. in atmospheric science from Colorado State University and a B.S. in meteorology from the University of Nebraska.

GINA EOSCO

Communication Research Associate, American Meteorological Society

Gina Eosco is a Communication Research Associate for the American Meteorological Society's Policy Program where she conducts research on the effectiveness of hazard and weather messages with a specific focus on visuals. In addition, Gina is a graduate student at the University of Oklahoma working on a PhD in Communication. She is a part-time research assistant for a new Social Science Woven Into Meteorology (SSWIM) initiative sponsored in part by the National Weather Center, as well as a part-time research assistant for the Center for Risk and Crisis Management. Her current research is on scientific translation through visuals focusing on how scientific objectives of a graphic may or may not translate to public understanding of science and accurate risk assessments. In particular, she is using hurricane track graphics as a case study to see how forecasters prioritize and convey weather information. Her next steps include a study of how the public interprets these graphics, and then an analysis of forecasters' objectives compared to the public understanding of the graphic.

Continuing her passion for weather, Gina is an active member of the AMS. She is a member of the Board on Enterprise Communication, as well as a newly formed Committee on Membership under the AMS Executive Council. She also serves on the AMS Student Conference Planning committee, which she has done since 2005. In addition, she was a 2006 AMS Fellowship Recipient, and a 2005-2006 Weather and Society*Integrated Studies(WAS*IS) Fellow where she completed a 2-week workshop funded by the National Center for Atmospheric Research and the United States Weather Research Program. She also participated in the 2004 AMS Summer Policy Colloquium. Gina has an M.S. in Communication from Cornell University, as well as a B.S. in Environmental Science and Policy from the University of Maryland (UMD).

EVE GRUNTFEST

National Weather Center, Social Science Woven into Meteorology Co Director, Weather and Society Integrated Studies (WAS*IS)

Eve has been working in the field of natural hazard mitigation for more than 30 years. She has published widely and is an internationally recognized expert in the specialty areas of warning system development and flash flooding. She received all her degrees in geography. Her BA degree is from Clark University and her Master's and Ph.D. were completed at the University of Colorado, Boulder

In 2008, Eve launched a new three-year initiative called SSWIM - Social Science Woven into Meteorology at The National Weather Center in Norman, Oklahoma. This new project will include: Heather Lazrus, an environmental anthropologist, as a post-doctoral scientist, and Gina Eosco, a Ph.D. student, engaged in interdisciplinary weather and society research and practice.

In 2005, as part of a sabbatical at the National Center for Atmospheric Research, Eve founded the WAS * IS movement (Weather and Society Integrated Studies) as part of the Societal Impacts Program. As of August 2008, there are 172 WAS * ISers, mostly early career people who are dedicated to making meteorology more societally relevant. Since 2005 she has been the co-director of WAS * IS (www.sip.ucar.edu/wasis).

In 2003, Eve received National Science Foundation funding for a 5-year project evaluating warnings for short fuse weather events, particularly tornadoes and flash floods. Working with her colleague from psychology, Chip Benight, the project studied how demographic changes, new technologies and new sources of information should be reflected in warning policy. The study focused on Denver, CO and Austin, TX. During the spring of 2003, Eve was a Fulbright Scholar serving as the Distinguished Chair of Geography and University of Trieste, Italy.

She has spoken to many professional organizations in the U.S. including the Association of State Floodplain Managers, the National Weather Service, and the Hydrologic Engineering Center of the U.S. Army Corps of Engineers, COMET at the National Center for Atmospheric Research, and the Forecast Systems Laboratory of the National Oceanic and Atmospheric Administration. She has participated in numerous workshops sharing lessons from research on warning systems and flash flooding.

She has completed contract work with several agencies including the Bureau of Reclamation, the Corps of Engineers, the National Weather Service, and has served in an advisory capacity to National Research Council, NOAA, and the National Science Foundation. She has been an invited expert at The Weather Channel and is featured in two flash flood documentaries.

As of 2008, Eve is Professor Emeritus in the Geography and Environmental Studies Department at the University of Colorado, Colorado Springs, after 27 years as a professor. She taught a wide range of courses with particular emphasis on human geography, disasters and society, women in the world, and environmental planning.

NATE JOHNSON

Meteorologist WRAL-TV Raleigh, NC

Nate Johnson is a meteorologist and executive producer at WRAL-TV in Raleigh, NC.

He works with the news producers and meteorologists to ensure weather information is communicated clearly and effectively, with an emphasis on high impact weather events.

Additionally, he serves as a fill-in meteorologist on occasional WRAL broadcasts, as well as the weather department's liaison to the public through social media such as Twitter.

Prior to joining WRAL in 2007, Nate was the data services meteorologist at Baron Services in Huntsville, AL. In addition to ensuring the timely and reliable flow of data and other products to Baron's client base of dozens of TV stations and thousands of individual subscribers, he also developed user-friendly data products that focus in the impacts of weather rather than meteorology itself, including a first-of-its-kind system to diagnose weather-related road conditions in real-time. He also worked to train stations on the effective use of new radar technology, including dual-polarization.

Nate's experience at the interface between weather and societal impacts began while studying at NC State University, where he earned degrees in meteorology and computer science, with a focus on science, technology, and society. He also served as the Chief Meteorologist at KTXS-TV, in Abilene, TX, where he earned both the American Meteorological Society's Certified Broadcast Meteorologist designation, as well as the National Weather Association's Seal of Approval.

JOE LAURIA

Meteorologist, Fox 4, Kansas City, MO

Joe is the weekend news meteorologist for FOX 4. Joe believes that the weather reports are important because weather is the one thing that affects everyone.

He joined the station in January 1995, but weather has been an important part of his life since childhood. Growing up in New York, Joe remembers being fascinated by clouds and snowstorms at the age of 10. Winter remains his favorite weather season because of those hard-to-forecast snowstorms.

This award-winning meteorologist was chief meteorologist at KOSA-TV in Midland, Texas for six years. It was there that the Associated Press voted him the best weathercaster of the year for the state of Texas. He also has been chief meteorologist at WAYK-TV in Orlando, Florida and KFKF-FM/KCKM-AM in Kansas City, Missouri and WCEE-TV in Mt. Vernon, Illinois,

Besides his FOX 4 weather forecasts, Joe gives speeches and severe weather seminars for the young and old. He was named president of the KC Chapter of the American Meteorological Society (AMS) for both 2001-02 and 2002- 03, and also is a member of the National Weather Association (NWA). Both organizations have given him their Seal of Approval for excellence in weather broadcasting. As a way of giving back to the weather community, he judges TV candidates nationwide in order for them to obtain this

prestigious certification. He also was recently awarded the highest honor possible for a TV meteorologist when he obtained the Certified Broadcast Meteorologist (CBM) designation from the AMS. He is the only weekend meteorologist with this certification in Kansas City and fewer than 250 people have this title nationwide.

In 1984, Joe graduated from St. Louis University with a bachelor's degree in meteorology. Joe considers one of his career highlights to be helping our viewers get through the tornado outbreaks that have affected the area for the past several years including the May 4, 2003 KC Tornadoes.

CHARLES (CHUCK) MAGAHA

Director for Leavenworth County Emergency Management

Chuck is currently the Director for Leavenworth County Emergency Management Homeland Security. He has held this position for the last twenty years. Chuck has been the Chairman of the Metropolitan Emergency Management Committee of the Kansas City Metro area, representing Leavenworth, Johnson, and Wyandotte in Kansas and Platte, Clay, Jackson, Ray and Cass in Missouri. He has served 2 terms as President of the Kansas Emergency Managers Association, an organization representing 87 of the 105 Counties in Kansas. He has been elected by his peers to serve a third term as President of the Kansas Emergency Management Association. He is the State Liaison Program Manager of the Kansas City Regional Homeland Security Incident Management Teams in Johnson, Wyandotte and Leavenworth County. His role is to keep the team of 30 members ready for deployment anywhere in the State of Kansas or the United States to assist in Disasters. He was the recipient of the AProfessional Coordinator of the Year Award≅ from the State of Kansas= Kansas Emergency Management Association in 1996 and the AInstructor of the Year Award≅ in 2002. Chuck received the Kansas National Guard award for ASelfless Excellence≅ in 2002 from General Greg Gardner. He also received the AGovernors Gold Medallion≅ from Governor Bill Graves in 2002. He has received the Garrison Commander ACoin Of Excellence≅ from the United State Army Garrison of Fort Leavenworth in 2005 and the Judge Advocate Of Generals Corps Coin of "Loyal Kansans" in 2007.

Chuck has been involved in law enforcement and has been a volunteer firefighter for Fairmount Township Fire Department in Basehor, Kansas for over 32 years, which he is currently serves as Assistant Fire Chief. He is a certified EMS First responder through the State of Kansas. He is a professional Kansas Certified Emergency Manager≅ through the Kansas Emergency Management Association.

Chuck is a member of the Kansas Division of Emergency Managements training cadre for various emergency management courses. He is the lead instructor in the State of Kansas to teach Debris Management. He is State and Nationally a trained Certified Instructor of the Incident Command Systems (ICS), to be delivered to emergency responders and many other agencies in the private sector.

The Emergency Management Office has 2 full time personnel to include the Director and Deputy Director with over 60 volunteers that support the operation. Personnel are on call 24 hours a day 7 days a week 365 days of the year.

Leavenworth County has a population of approximate 73,000 people. This does not include the population within Fort Leavenworth, or the Federal, State and private prisons in the area. The total jurisdiction of Leavenworth County is 470 square miles.

DANIEL NIETFELD

SOO National Weather Service Omaha, NE

Daniel Nietfeld is currently the Science and Operations Officer (SOO) at the NOAA National Weather Service (NWS) WFO in Omaha-Valley, Nebraska, where his primary responsibilities include managing the training and research programs, as well as ensuring scientific and technical quality in NWS products and services.

Mr. Nietfeld was born and raised in Grand Island, Nebraska, and received his B.S. from the University of Nebraska at Lincoln (UNL) in Meteorology. He entered the NWS in Neenah, Wisconsin as a Meteorologist Intern (May 1991). He has worked in the NWS offices in Grand Island, Nebraska, Topeka, Kansas, Hastings, Nebraska, and became the SOO in the Omaha WFO in May of 2001. In addition to his NWS career, Daniel teaches the “Severe Storms” meteorology class at the University of Nebraska – Lincoln (UNL), and also serves as the President-Elect of the UNL Alumni Advisory Board.

Daniel has been a member of the American Meteorological Society (AMS) for 17 years, and served on the AMS Board for Operational Government Meteorologists (BOGM) for 7 years (1998-2005), including one year as the BOGM Chair (2003). As BOGM Chair, he served on the AMS Professional Affairs Committee. He currently serves on the AMS Ad-Hoc Committee on Uncertainty in Forecasts. Locally, Mr. Nietfeld was the President of the Omaha-Offutt Chapter of the AMS in 2006-2007, and was the Vice President of the Omaha-Offutt Chapter during the 2002-2003 term. In addition, he has served as the Vice President for the High Plains Chapter of the AMS (1999-2001).

HAVIDÁN RODRÍGUEZ

University of Delaware

Dr. Havidán Rodríguez is the Vice Provost for Academic Affairs and International Programs and Professor in the Department of Sociology and Criminal Justice at the University of Delaware. He is also a core faculty member and former Director of the Disaster Research Center (DRC), the oldest and one of the leading social science disaster research centers in the world. He obtained his Ph.D. in Sociology from the University of Wisconsin. He has served on several committees for the National Academies of Science and on a number of review panels for the National Science Foundation (NSF).

Rodríguez has received funding from NSF, the Ford Foundation, the National Institute of Mental Health, the Federal Emergency Management Agency, the U.S. Army Corps of Engineers, and the UPRM Sea Grant Program, among others, for a number of research projects on the social science aspects of hazards and disasters and for research projects

aimed at providing hands-on research training and mentoring to undergraduate and graduate students. He is currently working on several research projects: population composition, geographic distribution, natural hazards, and vulnerability in the coastal regions of Puerto Rico (funded by the UPRM Sea Grant Program); he is a lead social science researcher for the Engineering Research Center (ERC) for Collaborative Adaptive Sensing of the Atmosphere (CASA - funded by NSF); he was a member of the Social Science research team of the Mid-America Earthquake Center funded by NSF; and he is a co-principal investigator in a research project focusing on materiel convergence, including control, coordination, and delivery of critical supplies to the site of extreme events.

Dr. Rodríguez has a significant number of publications in the areas of disasters, including Finding and Framing Katrina: The Social Construction of Disaster (with Dynes); Hurricane Katrina and the Healthcare Infrastructure (with Aguirre); Communicating Risk and Uncertainty: Science, Technology, and Disasters at the Crossroads (with Diaz, Santos, and Aguirre); Understanding Disasters: Vulnerability, Sustainable Development, and Resiliency (with Russell); Disasters, Vulnerability, and Governmental Response: Where (How) have we gone so wrong? (with Marks); A Snapshot of the 2004 Indian Ocean Tsunami: Societal Impacts and Consequences (with Wachtendorf, Kendra, and Trainor); and Rising to the Challenges of a Catastrophe: The Emergent and Pro-Social Behavior Following Hurricane Katrina (with Trainor and Quarantelli). He is also the co-editor (with Enrico Quarantelli and Russell Dynes) of the *Handbook of Disaster Research* (2006).