2009 BAHAMAS WEATHER CONFERENCE KEY SPEAKERS

MAX MAYFIELD
WPLG-TV HURRICANE SPECIALIST
SR. EXECUTIVE VICE PRESIDENT, AMERICA'S EMERGENCY NETWORK

Max Mayfield is a ***Fellow of the American Meteorological Society (AMS)*** who has presented invited papers at national and international scientific meetings, lectured in United Nations' World Meteorological Organization (WMO) sponsored training sessions, and provided numerous interviews to electronic and print media worldwide.

In **2006** he received the ***Government Communicator of the Year Award*** from the National Association of Government Communicators, as well as the prestigious ***Neil Frank Award from the 2006 National Hurricane Conference*** **"**for…efforts to significantly improve the accuracy of hurricane forecasting…as Director of the National Hurricane Center, a factor which has undoubtedly helped save countless lives and property."

In **2005** he received a ***Presidential Rank Award for Meritorious Service from President George W. Bush***. He was named ***ABC Television Network's "Person of the Week"*** after 2005 Hurricane Katrina.

In **2004** the Federal Coordinator for Meteorological Services and Supporting Research sponsored Interdepartmental Hurricane Conference presented its ***Richard Hagemeyer Award*** to Mr. Mayfield for his contributions to the nation's hurricane warning program. Also in **2004**, the National Academy of Television Arts and Sciences' Suncoast Chapter recognized Mr. Mayfield with its ***Governor's Award, an "Emmy", for extraordinary contributions to television*** by an individual not otherwise eligible for an Emmy.

In **2000** he received an ***Outstanding Achievement Award*** at the 2000 National Hurricane Conference for developing and expanding educational opportunities for state and local emergency management officials.

In **1996** the AMS honored him with the ***Francis W. Reichelderfer Award*** for exemplary performance as coordinator of the National Hurricane Center's hurricane preparedness training for emergency preparedness officials and the general public.

Max Mayfield has been recognized by the Department of Commerce with ***Gold Medals*** for his work during ***1992 Hurricane Andrew***, **2003 *Hurricane Isabel,* 2004 U.S. landfalling hurricanes, and the 2005 U.S. landfalling major hurricanes including Katrina,** and a ***Silver Medal during 1988 Hurricane Gilbert***. He was also awarded a National Oceanic and Atmospheric Administration (NOAA) ***Bronze Medal*** for creating a public-private partnership to support the nation's disaster preparedness. He is the former ***Chairman of the WMO's Regional Association-IV Hurricane Committee*** which supports 26 members from Atlantic and eastern Pacific countries. As former director of NOAA's Tropical Prediction Center-National Hurricane Center he has played a key role in forecast and service improvements over a 34 year career.

Mr. Mayfield is married, has three children, and resides in Miami, Florida.

BILL READ
DIRECTOR
NATIONAL HURRICANE CENTER

Bill Read is the director of the National Hurricane Center in Miami. Previous to this position, Read was the meteorologist in charge at the Houston-Galveston Area National Weather Service forecast office from 1992 to 2007. He has been the operational and administrative leader of many significant weather operations as well as major technological and organizational changes. In this capacity, he has lead the office through technology modernization starting with the installation of the NEXRAD Doppler radar, WSR-88D, and the added responsibilities associated restructuring of the field operations of the NWS.

Among the significant weather events he was privileged to work while in southeast Texas, include the November 1992 tornado outbreak, the October 1994 floods, ***Tropical Storm Frances***, the October 1998 floods, the September 2000 heatwave, unprecedented urban flood caused by ***Tropical Storm Allison***, ***Hurricane Claudette***, and ***Hurricane Rita***. Read has also been a member of the Hurricane Liaison Team, augmenting the staff at the National Hurricane Center to brief high level governmental agencies for landfalling hurricanes. In this role, Read worked ***Hurricanes Isabel*** (2003), ***Charley*** (2004), and ***Katrina*** (2005).

Read's background in the NWS includes six years as a forecaster in Fort Worth, where he worked inland impacts from ***Hurricanes Alicia*** (1983) and ***Gilbert*** (1988), and six years as a forecaster in San Antonio, where he worked the Hill Country floods caused by ***Tropical Storm Amelia***, the record setting 24-hour rain event from ***Tropical Storm Claudette*** (1979) and the approach and landfall of ***Hurricane Allen*** (1980). He started his NWS career in 1977 with the Test and Evaluation Division in Sterling, Va.

Read spent more than four years on active duty as an officer in the U. S. Navy where he had a variety of unique assignments, including serving as on-board meteorologist with the Navy Hurricane Hunters in 1972-1973. Sandwiched around his tour in the Navy, Read earned both a bachelor's (1971) and master's degree (1976) in meteorology from Texas A&M University.

He is actively involved with meteorological professional organizations, and was president of the National Weather Association in 2003, and president of the Houston chapter of the American Meteorological Society in 2006.

His most significant awards include the ***Special Award for Public Education*** from the National Hurricane Conference, 2004, and ***Member of the Year Award*** from the National Weather Association, 1996.

DR. ARTHUR ROLLE
DIRECTOR
BAHAMAS METEOROLOGICAL SERVICES

Mr. Arthur W. Rolle is the Director of The Bahamas Meteorological Services and Permanent Representative of The Bahamas with the World Meteorological Organization (WMO). In addition to his Meteorological expertise, he serves as Chairman of the National Climate Change Committee of the Bahamas Environment, Science and Technology (BEST) Commission. He is a Fellow of the Royal Meteorological Society and a Member of the Expert Group on Technology Transfer (EGTT) and has also served as a Member Consultative Group of Experts (CGE) of the United Nations Framework Convention on Climate Change (UNFCCC).

Mr. Rolle received his academic training, locally at St. John's College, and later at the University of the West Indies, Cave Hill, Barbados where he earned a Bachelor of Science Degree with Honors in Mathematics and Meteorology. A recipient of a British Chevening Award from the British High Commission, he successfully completed a Master's Degree in Applied Meteorology and Climatology at the University of Birmingham in the United Kingdom. He received his management training at the Public Service Centre for Human Resource Development and at the INCAE training institute in Nicaragua. Professional training at the Technique Development Laboratory at the National Oceanic and Atmospheric Administration in Silver Springs, Maryland in the United States under the guidance of Dr. Wilson Shaffer

and Chester Jelesnianski provided him with the opportunity to complete a Storm Surge Atlas for the Northwest and Central Bahamas including New Providence and Vicinity.

In his capacity as Chairman of the Climate Change Committee, Mr. Rolle has represented The Bahamas at numerous international meetings. He has also served as contributing author to the Bahamas' First National Communication.

DR. WILSON SHAFFER
METEOROLOGICAL DEVELOPMENT LABORATORY
NOAA'S NATIONAL WEATHER SERVICE

Dr. Shaffer received his Ph.D. from Drexel University in the area of atmospheric physics. He currently heads NOAA's National Weather Service's Evaluation Branch, located in Silver Spring, MD. In addition to developing, applying, and displaying statistical measures to verify NWS new digital forecasts, this branch developed several operational storm surge forecasting models, including the Sea, Lake, and Overland Surges from Hurricanes (SLOSH) model. The SLOSH model is being used extensively by Federal, state, and local governments as the basis for comprehensive hurricane evacuation planning. Dr. Shaffer is currently involved in modeling storm surges generated by extratropical (winter) storms and with coastal waves.

Dr. Shaffer began storm surge modeling in 1980 and has been involved in all aspects of the SLOSH model since that time. He wrote an early computer-generated program to assist users in viewing SLOSH model results, combining vast amounts of computer output into more usable graphical products. This program has been updated and is available to U.S. emergency managers and NWS forecasters. Dr. Shaffer regularly teaches portions of the FEMA course, "Introduction to Hurricanes," designed to aid coastal emergency managers, and held at the National Hurricane Center.
Dr. Shaffer has been involved in several NOAA Disaster Surveys. These post-storm surveys are designed to evaluate and improve the NWS's forecast, response, and dissemination procedures.

GENE HAFELE
METEOROLOGIST IN CHARGE
NATIONAL WEATHER SERVICE, HOUSTON/GALVESTON

Gene Hafele has served as the Meteorologist In Charge at the Houston/Galveston National Weather Service since April 2008. Prior to this position, Mr. Hafele spent 15 years as Warning and Coordination Meteorologist at the Houston/Galveston National Weather Service. As well, Mr. Hafele spent 10 years at the Spaceflight Meteorology Group dedicating his work to weather support for the Space Shuttle Program. He has over 34 years of experience working for the National Weather Service.

Mr. Hafele graduated from Texas A&M in 1974 with a degree in Meteorology. He then went on to obtain a Masters of Public Administration degree from the University of Houston at Clear Lake. Mr. Hafele currently resides in Friendswood, Texas with his wife Ruth.

ANDREW PATRICK
METEOROLOGIST IN CHARGE
NATIONAL WEATHER SERVICE, LAKE CHARLES

Mr. Patrick graduated in 1985 from the Pennsylvania State University with a B.S. in Meteorology. He began his career in the National Weather Service (NWS) in Tampa Bay Florida in 1987 and has also worked at the NWS offices at Tulsa, Corpus Christi, and Brownsville Texas. While working for the NWS Corpus Christi office from 2002-2004, Mr. Patrick worked with scientists at the Division of Nearshore Research at Texas A&M Corpus Christi to develop a tidal prediction system using artificial intelligence techniques. In March 2007, Mr. Patrick was promoted to be the Meteorologist-in-Charge at the NWS office in Lake Charles, which serves southwest Louisiana and southeast Texas. He has worked during numerous tropical cyclone events throughout his career. These include the following 2008 tropical cyclones: Tropical Storm Edouard, Hurricane Gustav, and Hurricane Ike. Mr. Patrick's

hydrometeorological interests include local numerical weather prediction modeling, radar meteorology, and storm surge inundation.

KENNETH GRAHAM
METEOROLOGIST IN CHARGE
NATIONAL WEATHER SERVICE, NEW ORLEANS/BATON ROUGE

Ken Graham is the Meteorologist-in-Charge at the National Weather Service New Orleans/Baton Rouge. He received a Bachelor's of Science Degree at the University of Arizona, with a minor in Physics and Mathematics. He then headed to Mississippi State University to teach physics and work on a Master of Science Degree in Geosciences. While in Mississippi, he was a partner and customer of the National Weather Service while a television meteorologist for CBS and agricultural meteorologist across the state for the Mississippi Network Radio. Ken began his National Weather Service Career as an Intern Forecaster in New Orleans. His career took him to Southern Region Headquarters as the Marine and Public Program Manager during National Weather Service Modernization and spin-up of Weather Service Offices to full Weather Forecast Offices. He became the Meteorologist-in-Charge at Corpus Christi, Texas and Birmingham, Alabama. While in Birmingham from 2001 to 2005, his office won Department of Commerce medals each year for innovative services like Instant Messaging with television stations during critical events such as the Veteran's Day Tornado Outbreak. Ken was part of the team which created the BLAST program, Building Leaders for a Solid Tomorrow which is still training leaders after nearly 10 years. He served as Systems Operations Chief at Southern Region Headquarters where he won a Bronze Medal for leading a team to make critical repairs to the Slidell office and staff support following Hurricane Katrina. Prior to being the MIC at New Orleans, he was the Chief of Meteorological Services at National Weather Service Headquarters. Ken is a member of the National Weather Association, American Meteorological Society, International Association for Emergency Managers, and is a HAM Radio Operator.

CHARLIE KELLY
EMERGENCY MANAGEMENT COORDINATOR
CITY OF GALVESTON

Charlie Kelly has lived in the Galveston/Texas City area for the last 37 years. A graduate of Laguna Beach High School in California, Charlie is glad to be back at the beach and considers himself lucky that his career path brought him to Galveston Island.

Charlie began his career at the City of Galveston in 1999 when he was hired as the City's Safety Officer. Prior to that, Charlie was served as a safety officer for a private company in nearby oil refineries for 18 years. Charlie's first exposure to disaster preparedness and response was during Hurricane Claudette (2003) when he served as acting Emergency Manager for Galveston. Following that storm, Charlie took on additional responsibilities when storms threatened the Island. In 2005, Charlie was named interim Emergency Management Coordinator, a title that was solidified later that same year.

Galveston's near-miss with Hurricane Rita in 2005 allowed City officials to fine tune the City's Emergency Preparedness Operation Plans. Working closely with the Mayor and City Manager, Charlie enhanced and clearly defined the City's Emergency Management and Recovery Plans, including initiating several new interlocal agreements with key agencies. Three years later when Hurricane Ike made landfall on September 13, 2008, the storm's surge almost completely inundated Galveston Island. City officials have spent the last six months responding to the damage this catastrophic event left behind. Even now with planning for the 2009 storm season underway, Charlie and City leaders are still grappling with Ike's aftermath.

Charlie and his wife of 25 years, Mary, live in Galveston. They have two children, Chasity, 23 and Charlie Kelly Jr., 20.

DEXTER ACCARDO
DIRECTOR, ST. TAMMANY PARISH
OFFICE OF HOMELAND SECURITY & EMERGENCY PREPAREDNESS

Dexter Accardo has served as the Director of St. Tammany Parish Homeland Security and Emergency Preparedness for over four years. Accardo served as Director during Hurricane Katrina, working with Parish Government, Municipal Government and St. Tammany Parish citizens and victims of the hurricane. As Director, Accardo liaises with numerous organizations, such as local homeowner's associations, businesses, civic associations and fraternal organizations, educating them on disaster preparedness.

Previously, Accardo spent 33 years as a Colonel for the Jefferson Parish Sheriff's Office. He is involved in many professional affiliations, such as the International Association of Bomb Technicians and Investigators; Fraternal Order of Police; Louisiana Emergency Preparedness Association (LEPA); Jefferson Parish Board of Zoning Adjustments (serving as Chairman from 1997-2004); and the National Hurricane Conference.

Accardo graduated from the University of New Orleans.

DR. STEVE LYONS
TROPICAL WEATHER EXPERT
THE WEATHER CHANNEL

A native of San Diego, Steve grew up in southern California. He attended the University of Hawaii on a track scholarship, where he ran the 800 meters. Between track meets and surfing sessions, Steve obtained a B.S., and a M.S., culminating in a Ph.D. in Meteorology in 1981.

Steve's expertise is in Tropical and Marine Meteorology. He has participated in more than 50 national and international conferences and provided World Meteorological Organization training courses in marine meteorology, tropical meteorology and ocean wave forecasting. Each spring Steve is a guest speaker at many hurricane preparedness conferences from Texas to New York. Prior to joining The Weather Channel in April 1998, Steve managed the Tropical Analysis and Forecast Branch of the Tropical Prediction Center, National Hurricane Center.

He has worked directly for private weather companies and traveled around the world forecasting weather in various tropical locales. Steve has also been a private consultant forecasting ocean waves for numerous surfing beaches. Familiar with on-camera assignments, Steve worked on-air for a station in Ventura County, California.

Among his many interesting jobs, Steve has been a research scientist for the U.S. Navy, for the Geophysical Fluid Dynamics Laboratory (GFDL) at Princeton University, and for the University of California at Los Angeles(UCLA). He has also been a professor of meteorology at Texas A&M University, where he is still an adjunct faculty member, and at the University of Hawaii where he remains involved with the Joint Institute for Marine and Atmospheric Research (JIMAR). Steve has also worked for the National Weather Service South Region Scientific Services Division, where he trained NWS meteorologists. Steve routinely reviews scientific papers related to tropical and marine weather submitted for publication in American Meteorological Society and other international journals.

Steve is a fellow of the American Meteorological Society; he has published more than 20 papers in scientific journals, and written more than 40 technical reports and articles for the National Weather Service and for the Navy. Currently Steve is seen during "hurricane season" on Tropical Updates at :50 past the hour. In his spare time he develops various models and continuously improves them; they provide many of the forecasts of hurricane impacts on land you see on The Weather Channel cable network and weather.com.

DR. ROBERT P. HARTWIG
PRESIDENT
INSURANCE INFORMATION INSTITUTE

Robert P. Hartwig is president of the Insurance Information Institute. He joined the I.I.I. in 1998 as an economist and became chief economist in 1999. The institute is generally recognized to be the most credible and frequently used single source of information and referral for the widsely diverse insurance industry.

Dr. Hartwig previously served as director of economic research and senior economist with the National Council on Compensation Insurance (NCCI) in Boca Raton, Florida, and has also worked as senior economist for the Swiss Reinsurance Group in New York and as senior statistician for the United States Consumer Product Safety Commission in Washington, D.C.

Dr. Hartwig received his Ph.D. and Master of Science degrees in economics from the University of Illinois at Urbana-Champaign. He also received a Bachelor of Arts degree in economics cum laude from the University of Massachusetts at Amherst. He has served as an instructor at the University of Illinois and at Florida Atlantic University. Dr. Hartwig also holds the Chartered Property Casualty Underwriter (CPCU) credential.

Dr. Hartwig makes frequent presentations to industry associations, company management, industry executives, analysts and clients and speaks internationally on a wide range of insurance issues. He has testified before numerous state and federal regulatory and legislative bodies, including the U.S. Senate Judiciary Committee, the Senate Banking, Housing and Urban Affairs Committee, the House Financial Services Subcommittee on Capital Markets, Insurance and Government Sponsored Enterprises and the House Financial Services Subcommittee on Oversight Investigations.

Dr. Hartwig serves as a media spokesperson for the property/casualty insurance industry, and is quoted frequently in leading publications such as The Wall Street Journal, The New York Times, USA Today, Washington Post, Los Angeles Times, Financial Times, BusinessWeek, Newsweek, U.S. News & World Report, CFO, Fortune, Forbes, The Economist and many others throughout the world. Dr. Hartwig also appears regularly on television, including programs on ABC, CBS, NBC, CNN, CNBC, Fox, PBS, and the BBC.

DR. WILLIAM M. GRAY
DEPARTMENT OF ATMOSPHERIC SCIENCE
COLORADO STATE UNIVERSITY

Professor Emeritus Gray has worked in the observational and theoretical aspects of tropical meteorological research for more than 50 years. He has been on the faculty at CSU since 1961. Much of this effort goes to investigations of meso-scale tropical weather phenomena. He has specialized in the global aspects of tropical cyclones for his entire professional career. He studied under Professor Herbert Riehl who arranged his early reconnaissance flights into hurricanes in 1958. Gray organized and supervised the first World Meteorological Organization sponsored workshop on the global aspects of tropical cyclones in Bangkok, Thailand in 1985. He has been involved with studies of broad-scale cumulus interactions and has extensively studied the processes associated with tropical cyclone structure, development, and movement. Numerous satellite-based studies of tropical weather systems have also been accomplished. Current areas of research include: 1) tropical cyclone structure, movement and intensity change; 2) seasonal prediction; 3) meso-scale tropical weather systems, 4) diurnal variability of tropospheric vertical motions and 5) ENSO variability.

He has been an advisor to 50 Master Degree graduates and 20 Ph.D. graduates.

DR. PHIL KLOTZBACH
DEPARTMENT OF ATMOSPHERIC SCIENCE
COLORADO STATE UNIVERSITY

Phil Klotzbach is a Research Scientist in the Department of Atmospheric Science at Colorado State University. He received his Ph.D. in Atmospheric Science from CSU. Klotzbach has been employed in the Department of Atmospheric Science for the past seven years where he has been co-author on the Atlantic basin hurricane forecasts with Dr. William Gray. He became first author on the seasonal hurricane forecasts in 2006.

Klotzbach graduated with a 4.0 GPA from Bridgewater State College with a BS degree in Geography in 1999. He then attended Colorado State University where he received his Masters degree in Atmospheric Science in 2002. After receiving his Masters degree in 2002, Klotzbach thru-hiked the Appalachian Trail from Georgia to Maine (2100+ miles). He has also developed the Landfalling Hurricane Probability Webpage (available online at http://www.e-transit.org/hurricane) in partnership with the GeoGraphics Laboratory at Bridgewater State College. This webpage provides hurricane landfall probabilities for 11 regions, 55 sub-regions and 205 coastal counties from Brownsville, Texas to Eastport, Maine. Since the webpage went online on June 1, 2004, it has received over 500,000 hits. Klotzbach has been an invited speaker at several conferences including the National Hurricane Conference, the Bahamas Weather Conference, the Florida Governor's Hurricane Conference, the Institution of Structural Engineers-Caribbean Division Hurricane Conference, the Northeast Hurricane Conference, the Resort Hotel Association Annual Conference, and the MDA Earthsat Energy Weather Conference. Besides tropical cyclones, Klotzbach's other research interests include climate change and nor'easters. He has had several research papers published in scholarly journals including papers published in the American Meteorological Society's journals *Weather and Forecasting* and the *Bulletin of the American Meteorological Society*.

BRYAN NORCROSS
PRESIDENT & CEO
AMERICA'S EMERGENCY NETWORK

Bryan Norcross became nationally known after he "talked South Florida through" Hurricane Andrew in 1992. Since that time he has anchored the coverage of numerous hurricanes for WFOR-TV in Miami and for 12 years provided analysis for CBS News. Prior to that he worked for NBC as well.

Bryan appeared frequently on CBS News programs including the CBS Evening News with Dan Rather and now Katie Couric. Bryan also appeared frequently as the primary fill-in weatherman on the CBS Early Show with Bryant Gumbel.

Bryan is currently President and CEO of a new company named America's Emergency Network, Inc. Along with Max Mayfield, Bryan has designed a robust, satellite-based emergency-communications system that will continue to work after a disaster. The system allows local governments and other agencies to stream live news briefings and also send critical text bulletins to the public and the media, even when power lines, phone lines, cell phones, and cable are all knocked out. The system is in the beta phase at the current time.

After Hurricane Andrew, Bryan was named Expert Advisor to the Academic Task Force on Hurricane Catastrophe Insurance by Florida State Treasurer and Insurance Commissioner Bill Nelson, and was a member of the Governor's Committee to evaluate state response and recommend changes to the state emergency management system by Governor Lawton Chiles.

In appreciation for his work before, during and after Hurricane Andrew, Bryan received the 1993 David Brinkley Award for Excellence in Communication. He was also publicly recognized with designations of Bryan Norcross Days in Miami, Miami Beach, and Ft. Lauderdale, among other cities. In addition, he's the recipient of an Emmy Award from the Suncoast Chapter of the National Association of Arts and Sciences, and the DuPont and Peabody awards, the highest awards given in broadcasting.

Bryan's comprehensive hurricane guide called "Hurricane Almanac" was released by St. Martin's Press in July 2006. The book covers hurricane science, history, preparedness and more. A follow-up edition was released in the Spring of 2007.

Bryan has a Bachelor of Science degree in Math and Physics and a Master of Science degree in Communications and Meteorology from Florida State University. In addition Bryan received an Honorary Doctor of Public Service degree from Florida International University. A resident of Miami Beach and New York City, Bryan has lived in Florida most of his life.

NANETTE LOCKWOOD, PE
DIRECTOR OF LEGISLATIVE AFFAIRS
SOLUTIA INC.

Nanette brings over 14 years of engineering experience to her position as the Director of Legislative Affairs at Solutia Inc, where her responsibilities include working within the legislature in coastal states to bring about the adoption of statewide building codes in the US. To date Nanette has helped move legislation through the state of Louisiana that adopted a statewide code in 2006, and is currently working in Mississippi and Alabama. Nanette is also working in Congress to provide incentives for states to adopt minimum mandatory statewide building codes.

Most recently Nanette held the position of director of building codes and engineering at the Institute for Business & Home Safety (IBHS), an insurance trade organization. Her responsibilities included strengthening building codes to increase the resistance of structures to natural disasters, managing research projects to support state adoptions of building codes, developing and executing educational programs related to changes in state building codes, and coordinating multi-industry efforts to increase usage and availability of code approved hurricane resistant materials and products.

Nanette's career experience also includes engineering design, construction management and environmental remediation.

Nanette earned a Bachelor's degree in Mechanical engineering and a Master's degree in Environmental Engineering from the University of South Florida, and is currently attending Concord Law School.

JULIE A. ROCHMAN
PRESIDENT AND CEO
INSTITUTE FOR BUSINESS AND HOME SAFETY

Julie Rochman joined IBHS in November 2007 with more than 20 years of public affairs and advocacy experience representing major corporations, research and safety organizations, and issue-based coalitions. She is regularly consulted and quoted by national print, broadcast and electronic media on a wide variety of topics. She joined IBHS from The Glover Park Group, a leading Washington, D.C.-based strategic communication consulting firm, where she was senior vice president of public affairs, managing a portfolio primarily comprising financial services sector clients. Prior to that, Ms. Rochman was senior vice president of public affairs for the American Insurance Association (AIA), a national public policy advocacy organization for property-casualty insurance companies. As a member of AIA's management team for six years, Ms. Rochman was responsible for developing and executing integrated communication campaigns to achieve AIA's public policy goals at both the state and federal levels. From November 1996 until late 2000, Ms. Rochman was vice president of communications for the Insurance Institute for Highway Safety (IIHS), where she successfully managed media relations for the IIHS and the Highway Loss Data Institute (HLDI). Upon leaving the IIHS, Ms. Rochman served on the IIHS and HLDI boards of directors for several years. Prior to joining IIHS, Ms. Rochman managed federal communications for the Alliance of American Insurers, worked for the Insurance Information Institute, for a public health organization dedicated to preventing drunk driving, at an advertising agency, and for a global insurance brokerage. A native of Omaha, Nebraska, Ms. Rochman earned a bachelor's degree in International Relations from Tulane University and a master's degree in American Government from the University of Virginia. She now resides in Tampa.

LESLIE CHAPMAN-HENDERSON
PRESIDENT/CEO
FEDERAL ALLIANCE FOR SAFE HOMES, INC. -- FLASH

Leslie Chapman-Henderson is President/CEO of the Federal Alliance for Safe Homes, Inc. - FLASH, a national, non-profit corporation founded in 1998 by a collaborative of non-profit, private and public organizations dedicated to strengthening homes and safeguarding families from disaster. Today, FLASH is the fastest growing disaster safety organization in the United States with more than 90 partners, including FEMA, Georgia Pacific, Institute for Business & Home Safety, International Code Council, Mercedes Homes, NOAA, NeighborWorks, The Home Depot and Home Depot Foundation, State Farm, Texas Tech Wind Science & Engineering, University of Florida, USAA and Texas Department of Insurance.

Ms. Chapman-Henderson and the Federal Alliance have championed the cause of code-plus construction methods through creation of Blueprint for Safety (Blueprint) a program for homebuilders, homeowners and design professionals on disaster-resistant construction techniques.

Ms. Chapman-Henderson has been a pioneer in disaster mitigation for a decade, earning her national recognition. Some of her most recent accolades include the 2006 Texas Silver Spur Award for Public Education Excellence; 2006 Governor's Hurricane Conference Public Information/Education Award; 2005 National Hurricane Conference Outstanding Achievement in Public Awareness Award, 2005 National Weather Association Walter J. Bennett Public Service Award and the 2005 NOAA Environmental Hero Award.

Currently, Ms. Chapman-Henderson serves as a representative on the legislatively-created My Safe Florida Home Advisory Council. Her past service includes chair of the Florida Hurricane Catastrophe Fund Advisory Council for Florida Governor Charlie Crist, the FCC WARN Committee, trustee for the Florida Fire Service Foundation, consumer representative to the Louisiana Uniform Building Code Task Force and as vice chair for the Legislative Task Force on Long Term Solutions for Florida's Hurricane Insurance Market.

DR. WILLIAM H. HOOKE
SENIOR POLICY FELLOW
AMERICAN METEOROLOGICAL SOCIETY

William H. Hooke has been a senior policy fellow at the American Meteorological Society since June, 2000, and director of the Policy Program since July, 2001.

His current policy research interests include: natural disaster reduction; historical precedents as they illuminate present-day policy; and the nature and implications of changing national requirements for weather and climate science and services. He also directs AMS policy education programs, including the AMS Summer Policy Colloquium, and the AMS-UCAR Congressional Science Fellowship Program.

Biographical data: From 1967 to 2000, Dr. Hooke worked for the National Oceanic and Atmospheric Administration (NOAA) and antecedent agencies. After six years of research in fundamental geophysical fluid dynamics and its application to the ionosphere, the boundary layer, air quality, aviation, and wind engineering, he moved into a series of management positions of increasing scope and responsibility. From 1973 to 1980, he was Chief of the Wave Propagation Laboratory Atmospheric Studies Branch. From 1980 to 1983 he rotated through a series of management development assignments. From 1984 to 1987 he directed NOAA's Environmental Sciences Group (now the Forecast Systems Lab), responsible for much of the systems R&D for the NWS Modernization, as well as a range of other weather and climate research activities.

From 1987 to 1993 he served as the Deputy Chief Scientist and Acting Chief Scientist of NOAA, setting policy and direction for $300M/year of NOAA R&D in oceanography, atmospheric science, hydrology, climate, marine biology, and associated technologies.

Between 1993 and 2000, he held two national responsibilities: Director of the U.S. Weather Research Program Office, and Chair of the interagency Subcommittee for Natural Disaster Reduction of the National Science and Technology Council Committee on Environment and Natural Resources.

Dr. Hooke was an ad joint faculty member at the University of Colorado from 1969 to 1987, and served as a fellow of two NOAA Joint Institutes (CIRES, 1971-1977; CIRA 1987-2000). The author of over fifty referred publications, and co-author of one book, Dr. Hooke holds a B.S. (Physics Honors) from Swarthmore College (1964), and S.M. (1966) and Ph.D. (1967) degrees from the University of Chicago. He is a Fellow of the AMS and a member of the American Philosophical Society. Currently, he chairs the NAS/NRC Disasters Roundtable, and serves on the ICSU Planning Group on Natural and Human-Induced Environmental Hazards and Disasters.

WENDY SPENCER
GOVERNOR'S COMMISSION ON VOLUNTEERISM AND COMMUNITY SERVICE
(VOLUNTEER FLORIDA)

Wendy Spencer was appointed in 2003 as Chief Executive Officer of the Governor's Commission on Volunteerism and Community Service, commonly known as Volunteer Florida.

Volunteer Florida manages programs including AmeriCorps, through which more than 1,000 volunteers each year dedicate 12 months of their lives to service in the areas of education, environment, human needs, public safety, disaster response and recovery, and homeland defense.

Volunteer Florida is the lead coordinating agency for volunteers and donations during times of disaster, working closely with Florida's Division of Emergency Management. Under Spencer's leadership, Volunteer Florida coordinated more than 140,000 volunteers and donated items totaling more than $63 million during Florida's record-breaking 2004 hurricane season. This was to become the single largest mobilization of volunteers in the history of U.S. natural disasters to date. Volunteers for the 2004 – 2005 hurricane seasons combined totaled 252,000, generating 10.6 million hours of service at a value of $289 million. During the 2005 Hurricane Season, Spencer lent her expertise post Hurricane Katrina to the states of Mississippi and Alabama, providing technical assistance in the areas of volunteer and donations management, and post-disaster communications.

In conjunction with leading voluntary disaster response agencies, Spencer has been working diligently with officials from the Department of Homeland Security and the Federal Emergency Management Agency to strengthen the role of volunteers and donations in the National Response Framework. She also co-chaired the National Disaster Task Force for Non-government Organizations with The White House Office of USA Freedom Corps. Nationally, she has become a leading advocate for responsible engagement of volunteers in disaster response and recovery, and for engaging AmeriCorps and other National Service members in all phases of emergency management.

Wendy's 24-year career also includes work in volunteer organizations like United Way, plus a vast background in marketing, public relations, community development, major event planning, and management. She has raised more than $35 million for communities throughout her career, and has delivered more than 1,000 speeches and presentations. Prior to assuming leadership at Volunteer Florida, she was Director of the Florida Park Service, where she managed 1,700 full- and part-time employees and more than 6,000 volunteers for 158 award-winning state parks.

In May 2005, Spencer received the President's Call to Service Award from President George W. Bush for her dedication and service to others throughout her life.

On Feb 14, 2006, Wendy was appointed to the President's Council on Service and Civic Participation. In her role with the President's Council, Wendy acts as an "Ambassador of Service" for the President's vision of fostering a culture of citizenship and volunteer service in our country.

DR. CHRISTOPHER LANDSEA
SCIENCE AND OPERATIONS OFFICER
NOAA NATIONAL HURRICANE CENTER

Christopher W. Landsea is the science and operations officer at the National Hurricane Center (NHC) in Miami. In addition to forecasting and training duties, he is responsible for administration and evaluation of Joint Hurricane Test bed projects which may be implemented operationally to assist in the monitoring and forecasting of hurricanes. Dr. Landsea received his bachelor's degree in atmospheric science from the University of California Los Angeles (1987) and his master's degree and doctorate in

atmospheric science from Colorado State University (1991, 1994). His graduate work was undertaken with Dr. Bill Gray, one of the world's leading experts on hurricanes and tropical meteorology. Dr. Landsea's main expertise is in seasonal forecasting of hurricanes, in hurricane climate variability and change, and in testing applied research projects for possible use in weather forecasting. He currently is leading up a re-analysis of the Atlantic hurricane database. 1992's Hurricane Andrew was officially upgraded to a Category 5 hurricane at landfall in southeastern Florida as part of this project. While a research meteorologist at the Hurricane Research Division from 1995 through 2005, Landsea participated in the division's Hurricane Field Program by flying in the NOAA Orion P-3 aircraft into and in the NOAA Gulfstream IV jet around 15 Atlantic hurricanes (including Gilbert, Opal, Georges, Charley, Jeanne, Ivan, and Katrina) for research and forecasting purposes.

He has published more than 35 peer reviewed articles in the journals *Bulletin of the American Meteorological Society, Climatic Change, EOS, Geophysical Research Letters, Journal of Climate, Journal of Insurance Regulation, Meteorology and Atmospheric Physics, Monthly Weather Review, Nature, Science, Tellus, Weather,* and *Weather and Forecasting*, as well as several book chapters.

Dr. Landsea is a member of the American Meteorological Society, the National Weather Association, and the American Geophysical Union. He served as the chair of the AMS Committee on Tropical Meteorology and Tropical Cyclones for the years 2000-2002. Dr. Landsea was the recipient of the AMS's Max A. Eaton Prize for the best student paper given at the 19th Conference on Hurricanes and Tropical Meteorology in May 1991 and was co-recipient of the AMS's Banner I. Miller Award given for the best contribution to the science of hurricane and tropical weather forecasting at the May 1993 meeting of the 20th Conference on Hurricanes and Tropical Meteorology. In 2000, Dr. Landsea was a co-recipient of a U.S. Department of Commerce Bronze Medal "for issuing the accurate and first official physically-based Atlantic seasonal hurricane outlooks for the 1998/1999 seasons, based upon new research". In 2002, Dr. Landsea was given the AMSs Editor's Award for reviews for *the journal Weather and Forecasting.* He currently is serving on the editorial board for the *Bulletin of the American Meteorological Society* as the subject matter editor in tropical meteorology.

DR. JAMES KOSSIN
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Dr. James Kossin is an atmospheric scientist with NOAA's National Climatic Data Center. He earned his B.S. and M.S. degrees in mathematics and physics at Clarkson University in New York, and his Ph.D. in atmospheric science at Colorado State University. He specializes in a broad range of tropical cyclone studies with an emphasis on the observed relationships between climate and tropical cyclone activity.

Dr. Kossin is a member of the Federal Advisory Committee for the United States Climate Change Science Program, and the World Meteorological Organization Expert Team on Climate Change Impacts on Tropical Cyclones.