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Christopher Bender, Ph.D., P.E., D.CE

Christopher Bender is a senior coastal engineer at Taylor Engineering in Jacksonville, FL. Chris's work has focused on coastal processes analysis, beach design, and storm surge and wave modeling. Prior to joining Taylor, Chris obtained his master's and doctoral degrees from the University of Florida and his bachelor's degree from the University of Rhode Island. Chris is certified as a Diplomate in Coastal Engineering by the ASCE and is a part-time faculty member at the University of North Florida teaching courses in coastal engineering.



Nancy Blyler

Nancy Blyler leads the U.S. Army Corps of Engineers (USACE) Geospatial Community of Practice. She develops guidance and sets policy with respect to Geospatial Technologies for the USACE. Ms. Blyler manages the USACE Enterprise Geospatial Engineering System (EGES) Program, which entails developing a comprehensive approach to geospatial technology focusing on standardizing geospatial data and tools across USACE. Ms. Blyler is also USACE's primary liaison to the Federal Geographic Data Committee (FGDC), is a member of the Defense Installation Spatial Data Infrastructure (DISDI) Working Group, and the HQ proponent for the Corps GIS, Remote Sensing and Survey/Mapping courses.

Prior to joining HQ in 1995, Ms. Blyler worked at the Topographic Engineering Center (TEC) developing tactical military GIS applications supporting the war fighter community. Ms. Blyler has also held positions with the Defense Mapping Agency as a hydrographic cartographer and US Department of Agriculture as an imagery analyst. Ms. Blyler holds a Master of Science in Spatial Information Engineering from the University of Maine, a Master of Science in Cartographic and Geographic Science from George Mason University and a Bachelor of Arts in Geography from George Mason University.



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Richard Butgereit, GISP

Richard Butgereit has served for the past 10 years as the Geographic Information Systems (GIS) Administrator and head of the Information Management Section for the Florida Division of Emergency Management and the Florida State Emergency Response Team managing GIS applications, databases, web applications, and mobile applications. Mr. Butgereit has over 20 years' experience applying GIS technologies to natural resources protection and emergency management programs. He serves as State of Florida's representative and on the Board of Directors to National States Geographic Information Council and is active in that council's Geospatial Preparedness Committee.

He also serves on DHS S&T First Responders Resource Group, National Information Sharing Consortium Board of Directors, member Florida HAZUS User Group, National Alliance for Public Safety GIS Florida Regional Leadership Team, Deepwater Horizon Response Aerial Imagery Technical Working Group, and as a National Integration Center Strategic Resource. Richard is a graduate of New College, the Honors College of the State University System of Florida, and is a Geographic Information Systems Professional.



Mark DeMulder

Mark DeMulder is retired from the United States Geological Survey where he served as the Director of the National Geospatial Program. Previously, he served as Deputy Director, Office of the Chief Architect, at the National Geospatial-Intelligence Agency. Mr. DeMulder holds a Bachelor of Arts from the University of Connecticut and a Master of Science from George Mason University, both in Geography. He is a graduate of the Senior Executive Fellows Program at Harvard University's Kennedy School of Government and the Federal Executive Institute. He has served in the Senior Executive Ranks since 2004.

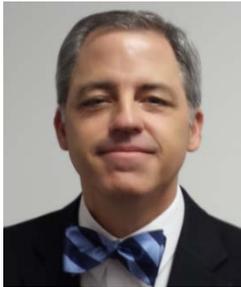
Career highlights include the Open Geospatial Consortium's Vision Award, the Outstanding Alumni Award from the College of Science at George Mason University, and selection by the U.S. Ambassador to the Permanent Mission of the Organization of American States (OAS) to serve as President of the US National Section to the Pan American Institute of Geography and History, a specialized organization of the OAS. Mr. DeMulder resides in Springfield, Virginia with his family. His primary interest outside of work and family is in classical guitar music, which he does his best to play.



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John Dorman, CFM

John Dorman is the Assistant State Emergency Management Director for Geospatial and Technology Management. In this capacity, he is responsible for the design, acquisition, analysis, and dissemination of data, models, analysis, systems and applications associated with all hazard / threat risk management.

Mr. Dorman previously served as the Deputy Director of the Office of State Policy and Planning and later as the Statewide Planning Administrator for the Office of State Budget, Planning, and Management. Following Hurricane Floyd in 1999, North Carolina petitioned FEMA and became the first state in the nation to be designated a Cooperating Technical State. From this designation, the North Carolina Floodplain Mapping Program was created and placed under his supervision.

Mr. Dorman has managed the statewide acquisition of LiDAR-derived topographic data, digital orthophotography, building footprints, and special flood hazard areas. Mr. Dorman has also managed three national risk management demonstrations: Integrated Hazard Risk Management; Digital Flood Risk Management; and, Sea Level Rise Impact Study.



Leslie A. Durham, P.E.

Leslie Durham is a Professional Engineer and serves as the Chief of the Floodplain Management Unit of the Office of Water Resources, where she oversees Alabama's CTP and NFIP Programs. Ms. Durham has over 20 years of experience managing Alabama's state water resources programs. Prior to governmental service, she worked as a consulting engineer and project manager on several water resources projects, gaining extensive experience in water resources planning and management. She has provided technical and policy level support to water and wastewater regulatory compliance programs and statewide drought planning in addition to floodplain management.

As co-chair of the Mapping and Engineering Standards National Policy Committee, Ms. Durham collaborates with FEMA and other partners to improve the National Flood Mapping Program. She serves on the Board of Directors of both ASFPM as Secretary and the Alabama Association of Floodplain Managers as Treasurer. She is a graduate of Huntingdon College with a degree in Mathematics and Auburn University with a degree in Civil Engineering.



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Jeffrey Giering, CFM, LEM

Jeffrey Giering began his career in March of 2002 with Louisiana's Office of Emergency Preparedness (renamed to The Governor's Office of Homeland Security and Emergency Preparedness [GOHSEP] in 2006). Currently, Mr. Giering serves as the Technical Services Section Chief and the State Hazard Mitigation Officer for Louisiana. The Mitigation Section, under the Disaster Recovery Division of GOHSEP, administers all of FEMA's Hazard Mitigation Assistance programs for Louisiana. Mr. Giering's section is responsible for providing technical assistance on benefit-cost analysis, Hazard Mitigation planning as well as other programmatic issues. Additionally, the Technical Services section is responsible for the maintenance of the State of Louisiana's Hazard Mitigation Plan.

Before joining GOHSEP, Mr. Giering worked for the Louisiana Department of Agriculture and Forestry, the Office of Soil and Water Conservation for four years. He is a graduate of Northwestern State University, with a Bachelor of Science in Biology. Mr. Giering is also an active member of the Louisiana Army National Guard with service over 13 years. Mr. Giering currently holds the rank of Major, and serves in the 256th Infantry Brigade Combat Team. In 2007 – 2008, Mr. Giering deployed to Baghdad, Iraq in support of Operation Iraqi Freedom. Jeffrey is a Certified Floodplain Manager, and member of the Association of State Floodplain Managers, and the Louisiana Floodplain Management Association. Jeffrey, his wife Melissa, and their two sons live in Watson, Louisiana.



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Carrie Grassi

Carrie Grassi is Deputy Director for Planning at the NYC Mayor’s Office of Recovery and Resiliency. She is responsible for managing FEMA’s flood map update process for the City and coordinating with City agencies on coastal flooding resiliency standards. She also leads interagency collaboration and community coordination for the implementation of neighborhood-based climate change resiliency efforts, such as HUD’s Rebuild By Design program and its resulting \$335M East Side Coastal Resiliency project, and the State’s NY Rising Community Reconstruction Program. After Hurricane Sandy, Ms. Grassi was a member of the Mayor’s Special Initiative for Rebuilding and Resiliency, the result of which is the City’s comprehensive climate resiliency plan.

Ms. Grassi previously worked as the Freshkills Park Outreach and Land Use Manager for the NYC Department of Parks & Recreation. She holds a Masters in City Planning from the Massachusetts Institute of Technology and a Bachelor of Arts in Urban Studies from the University of Pennsylvania. Ms. Grassi has worked in both government and non-profit institutions focused on project implementation, civic engagement, and environmental stewardship.



Suzanne Jiwani, P.E., CFM

Suzanne Jiwani is the Minnesota Department of Natural Resources Floodplain Mapping Engineer. She is responsible for the Cooperating Technical Partner program in Minnesota; establishing state priorities, managing CTP grants, providing technical guidance and training to local governments, and managing the work of staff preparing floodplain delineations, hydrologic and hydraulic engineering analyses. She is a Professional Engineer and Certified Floodplain Manager.

Before joining the Minnesota Department of Natural Resources in 2001, Ms. Jiwani worked as consulting engineer for 25 years. She has a Bachelor of Science in Civil Engineering from the University of Minnesota and a Master of Science in Water Resource Engineering from Colorado State University.



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Dr. Howard Kunreuther

Howard Kunreuther is the James G. Dinan Professor; Professor of Decision Sciences and Public Policy at the Wharton School, and co-director of the Wharton Risk Management Center. He has a long-standing interest in ways that society can better manage low-probability, high-consequence events related to technological and natural hazards. Mr. Kunreuther served on the National Academy of Science's committees on Analysis of Costs and Benefits of Reforms to the National Flood Insurance Program, and currently is a member of the Roundtable on Risk, Resilience, and Extreme Events. He was a Coordinating Lead Author for the Intergovernmental Panel on Climate Change's recent report, "Integrated Risk and Uncertainty Assessment of Climate Change Response Policies." and is on the New York City Panel on Climate Change.

Mr. Kunreuther is a Fellow of the American Association for the Advancement of Science, and a Distinguished Fellow of the Society for Risk Analysis and twice was the recipient of the Elizur Wright Award for the publications that make the most significant contribution to the literature of insurance. He is a co-author of *At War with the Weather* (with E. Michel-Kerjan, 2011) and *Insurance and Behavioral Economics: Improving Decisions in the Most Misunderstood Industry* (with M. Pauly and S. McMorrow, 2013) and *Leadership Dispatches: Chile's Extraordinary Comeback from Disasters* (with M. Useem and E. Michel-Kerjan, 2015). Mr. Kunreuther received the 2015 Shin Research Excellence Award from the Geneva Association and the International Insurance Society (IIS) in recognition of his outstanding work on the role of public-private partnerships in mitigating and managing risks.



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Wendy Lathrop, PLS, CFM

Wendy Lathrop, President and Owner of Cadastral Consulting, LLC, is a licensed Professional Land Surveyor in New Jersey, Pennsylvania, Delaware, and Maryland, a Professional Planner in New Jersey, and a Certified Floodplain Manager through the Association of State Flood Plain Managers. She served on the first Technical Mapping Advisory Council to FEMA and later on a panel studying flood hazard mapping accuracy for the National Academies of Science, resulting in the 2009 report "Mapping the Zone: Improving Flood Map Accuracy." She has worked extensively with NJDEP on floodplain buyouts after Hurricanes Irene, Lee, and Sandy. Ms. Lathrop has taught seminars nationwide since 1986 and has been a regular columnist in national magazines since 1983, currently for The American Surveyor. She is a contributing author to the American Bar Association's "Land Surveys: A Guide for Lawyers and Other Professionals," and co-author of "Professional Surveyors and Real Property Descriptions: Composition, Construction, and Comprehension."



Tony LaVoi

Tony LaVoi serves as the National Oceanic and Atmospheric Administration (NOAA) Geospatial Information Officer (GIO). Tony and his GIO team serve as the focal point for enterprise geospatial projects, strategies, policy development, standards, and coordination activities across the NOAA organization. He is a founding member of the NOAA Big Data Partnership and played an instrumental role in establishing the National Weather Service's Enterprise Integrated Dissemination Program GIS Project. He is a member of the Federal Geographic Data Committee (FGDC) Executive and Steering Committees. He chairs the FGDC's Marine and Coastal Spatial Data Subcommittee and is the Water – Oceans and Coasts Theme Lead. He is active in the United Nations Global Geospatial Information Management Working Group. He has received Esri's Making A Difference Award as well as the National States Geographic Information Council Distinguished Service Award.

Tony LaVoi is also the chief of the Integrated Information Services (IIS) division within the NOAA Office for Coastal Management. The IIS division delivers the full range of enterprise information services for the development of products and services for coastal constituencies, including NOAA's Digital Coast platform. The division provides all software application design and programming, Web design, visualization, and data management services. Tony has 25 years of experience in the geospatial field with NOAA, state, regional, and local



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governments as well as the private sector. He is a graduate of the University of Wisconsin-Madison with a degree in Civil and Environmental Engineering.



Robert R. Mason, P.E.

Robert Mason is a hydrologist with the U.S. Geological Survey (USGS). He is the Chief of the USGS Office of Surface Water in Reston, Virginia, oversees technical requirements for the USGS streamgauge network and USGS flood-inundation mapping standards and methods development, and supervises USGS scientists engaged in developing updates to Bulletin 17B and USGS PeakFQ. He is the Chair of the Advisory Committee on Water Information, Subcommittee on Hydrology and an affiliate member of that subcommittee's Hydrologic Frequency Analysis Workgroup. He has worked on several USGS flood frequency regionalization projects. Robert is a registered Professional Engineer. He received his Master of Science in Civil Engineering from North Carolina State University and is pursuing a PhD in Civil Engineering at Virginia Tech.



Salomon Miranda, P.E., M.S

Salomon Miranda is a registered civil engineer in California. He works for the California Department of Water Resources' Division of Integrated Regional Water Management in the Southern Region Office (SRO). As the National Flood Insurance Program Specialist for southern California, his primary responsibilities include conducting Community Assistance Visits and floodplain field inspections, and providing technical assistance to more than 225 communities. Mr. Miranda is the SRO's liaison for the FloodSAFE's Statewide Flood Management Planning Program and the Silver Jackets Team. In addition, Mr. Miranda assists with the preparation of California's Water Plan update, gathers hydrologic information for the Colorado River Board, and evaluates grant applications for the Flood Protection Corridor Program and the Flood Emergency Response Program.

Prior to assuming his current role, he worked in the Subventions Program for the Santa Ana River Mainstem Project, reviewed and issued reimbursement notices for the All American Canal and the Coachella Canal Lining Projects, conducted floodplain mapping for Imperial County, and evaluated grant applications for the Urban Stream Restoration Program. Mr. Miranda Joined the Department of Water Resources in 2000. He holds a B.S. and M.S.



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degrees in civil engineering from the California State University at Los Angeles.



Tim Murphy, P.E., CFM

Tim Murphy is the Manager of the Mitigation Planning & Technical Programs Branch for the Flood Control District of Maricopa County (District) in Phoenix, Arizona. Since 2008, Mr. Murphy has overseen the District's involvement in FEMA's Community Rating System (CRS). He is also involved in many areas of the District's floodplain management program and is involved with coordinating floodplain activities with local communities in the District.

Mr. Murphy began his career working on local drainage projects and became involved in floodplain management issues 25 years ago. He was the project engineer and project manager for numerous floodplain delineation studies before becoming the Floodplain Delineation Branch Manager in 2002. Mr. Murphy has been involved in over 1,700 linear miles of floodplain delineation within Maricopa County. Mr. Murphy led the District's initial efforts in becoming involved with FEMA's Cooperating Technical Partner (CTP) program in 2001. He was the project manager for the District's first CTP grant which involved using District staff to revise and update 308 FIRM panels and a 17 volume FIS.

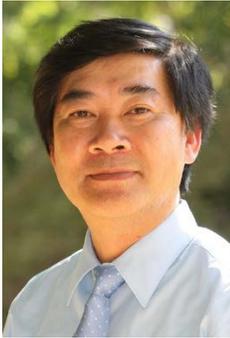
Mr. Murphy is a member of the Board of the National Association of Flood and Stormwater Management Agencies (NAFSMA) and is also co-chair of the Floodplain Management Committee. Mr. Murphy is active in several committees of the Arizona Floodplain Management Association (AFMA), and is a member of the Arizona State Standards Work Group. Mr. Murphy is a graduate of Arizona State University (ASU) and has 30 years of experience in floodplain, drainage and stormwater management. Mr. Murphy has hiked to the bottom of the Grand Canyon several times.



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Ngoc Nguyen, P.E.

Ngoc Nguyen is a registered civil engineer in California. He is currently serving as Interim Deputy Operating Officer of the Watersheds Design and Construction Division for the Santa Clara Valley Water District in San Jose, California. He oversees a division of more than 50 professional staff providing design and construction of watershed capital improvement projects.

He has over 27 years of work experience in long-range planning, program development, and delivery of watershed capital improvement projects. He has contributed to the completion of a number of flood risk reduction projects, wetland creation and restoration projects, a multi-year Stream Maintenance Program, and a 15-year special tax program to fund flood protection, habitat restoration, and trail and open space for Santa Clara County.

Mr. Nguyen joined the Santa Clara Valley Water District in 1989. He holds a B.S. degree in Chemical Engineering from the University of California at Berkeley and a M.S. degree in Civil Engineering from San Jose State University.



Luis Rodriguez, P.E.

Luis Rodriguez is the Division Director of the Engineering and Modeling Division for the Risk Management Directorate of FEMA's Federal Insurance and Mitigation Administration. In this capacity, Mr. Rodriguez has oversight responsibilities over FEMA's flood hazard mapping program. The flood hazard mapping program is part of FEMA's Risk Mapping, Assessment and Planning program, which promotes informed decision making that increases community resilience to flooding disasters. Prior to joining FEMA in 2008, he worked in private industry for 13 years in various capacities supporting FEMA's flood hazard mapping and the Map Modernization programs. Mr. Rodriguez holds a Bachelor of Science in Urban Systems Engineering from George Mason University.



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Javier Ruiz

Javier Ruiz currently holds the position of Geospatial Governance Branch Chief and Acting Director for the National Geospatial Center of Excellence, in Fort Worth, Texas. Mr. Ruiz is trained as a soil scientist with a Bachelor's degree from Texas A & M University, in Kingsville, Texas. Mr. Ruiz has held various positions, including: field soil scientist, assistant state soils scientist in New Mexico, soil interpretations specialist in Fort Worth, Texas, GIS specialist, and as Remote Sensing Lab Leader at the East Remote Sensing Lab in Greensboro, North Carolina.



Cheryl A. Small

Cheryl Small was Vice President of Operations at CoreLogic Flood Services and has been active in the insurance and flood determination industry for over 30 years, holding positions in operations management, sales, new product development and business development. She has been involved with the NFIP since 1985 and was responsible for the WYO Flood Program for a leading insurer. She currently manages the operations of a flood determination business which annually completes more than 10 million flood determinations each year based upon the use of FEMA's flood maps.

Cheryl is past president of the National Flood Determination Association (NFDA) and is currently a member of the Board of Directors and is the policy advisor for NFDA. She was instrumental in the NFDA's adoption of a certification program for companies to demonstrate professionalism and expertise in making flood determinations using FEMA's flood maps. She has directed the biannual technical mapping meetings between the NFDA and FEMA through which several improvements have been identified.



Jeffrey L. Sparrow, P.E., CFM

Mr. Sparrow is a senior vice president and Federal Civilian Market Lead for Michael Baker International with over 26 years of experience. He has helped FEMA accomplish the goals of Map Modernization and Risk MAP to promote mitigation action and achieve resiliency. He has a BS from the University of Delaware and an MBA from George Mason University.

His career began by reviewing technical studies and the creation and revision of FIRMs and LOMCs. Mr. Sparrow led the development of some of the first



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digital FIRMs in the Nation and was involved with the conversion from CADD based DFIRMs to GIS based DFIRMs. He has managed or developed hundreds of hydrologic/hydraulic studies and restudies in support of modifications to flood hazard information depicted on FIRMs. In addition, Jeff has managed the development of hazard mitigation projects for FEMA. He has worked closely with FEMA in the development of new policies, procedures, and guidance provided to engineers, surveyors, and community and state officials for revising FIRMs.

He served on the ASFPM Board of Directors for six years (three consecutive terms, term limited). During this period the association saw tremendous growth in membership and executive office staff.