



# FEMA

## TMAC

**Technical Mapping Advisory Council  
2019 Members**

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**Douglas A. Bellomo, P.E.**  
*Engineering Member*



Doug Bellomo, P.E. is a civil engineer with AECOM serving as Vice President in the North America water business line helping lead the flood risk management and resilience practice. Doug works with a variety of clients in both the private and public sectors who are looking to more proactively manage their flood risk and build resilience against flood threats. Doug also served as a senior technical advisor for flood risk management at the US Army Corps of Engineers (USACE) Institute for Water Resources where he helped develop and implement policies and business practices to better integrate USACE activities across the flood risk management life cycle. Before joining the USACE Doug was Director of the Risk Analysis Division within the Federal Insurance and Mitigation Administration at Federal Emergency Management Agency (FEMA) in Washington, DC.

Mr. Bellomo is a professional engineer and holds a Bachelor of Science and Master of Science in Civil Engineering. He has been working in the fields of flood hazard identification, risk management, and mitigation since 1993.

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**Scott Giberson, CFM**  
*Flood Hazard Determination Member*



Scott Giberson serves as Flood Compliance Principal and manages the Flood Disaster Protection Act program for CoreLogic Flood Services. Scott currently serves as Vice President for the National Flood Determination Association and leads the Association's legislative committee. With 20 years of experience, Scott specializes in regulatory issues surrounding flood determinations and the mandatory purchase of flood insurance requirement, as well as policy related to the National Flood Insurance Program. He consults with industry members and members of related industries on legislative and regulatory developments at a federal and state level related to flood insurance. In his role, Scott frequently presents at various conferences, seminars and workshops on topics related to flood insurance requirements and flood mapping issues. He also speaks on matters related to claims or actions arising out of the flood determination guarantees and has contributed to the research around this body of law. Scott graduated from The University of Texas at Austin.

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**Jeffrey Giering, MBA, CFM**  
*State Hazard Mitigation Officer Member*



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. Jeffrey has served as the State Hazard Mitigation Officer for Louisiana for over 8 years, assuming the role in 2011. 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 and holds a Master's of Business Administration with a focus in Project Management. Mr. Giering is also an active member of the Louisiana Army National Guard with service over 16 years. Mr. Giering currently holds the rank of Major, and serves in the 769<sup>th</sup> Brigade Engineer Battalion as the Operations Officer. 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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**David Guignet**

*State Cooperating Technical Partner Representative*



Mr. Guignet has been the State National Flood Insurance Program Coordinator and CTP Mapping Coordinator for 15 years with the Maryland Department of the Environment (MDE). In this capacity Dave has created a statewide platform for georeferenced and model backed flood studies supporting DFIRM's. The DFIRM's, data, and corresponding flood models are published and available on a public facing web page for full public access and download. Dave attended Penn State University where he received an Associate Degree in Surveying Technology and a B.S in Civil Engineering. He has worked for the State Highway

Administration (SHA), the Maryland Department of Natural Resources (DNR), and the Department of the Environment.

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**Suzanne Jiwani, P.E., CFM**  
*Floodplain Management Member*



Suzanne Jiwani is a member of the Association of State Floodplain Managers, a Professional Engineer and Certified Floodplain Manager. As 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.

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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**Carey Johnson**  
*State Cooperating Technical Partner Representative*



Carey Johnson is the Assistant Director of the Kentucky Division of Water (DOW). His responsibilities include coordinating water resources-related activities across the Division as well as managing the Cooperating Technical Partners (CTP) program for the Commonwealth of Kentucky. He has managed the Kentucky CTP since 2005, where he has led a comprehensive effort to update flood hazard data for all of Kentucky's 120 counties.

Mr. Johnson is an active participant on several flood and mitigation-related working groups and committees. He serves on the Kentucky State Hazard Mitigation Council, the Kentucky Aerial Photography and Elevation Data (KYAPED) technical advisory committee, and the FEMA CTP Community of Practice steering committee. He assisted in developing the Kentucky Silver Jackets team and continues to coordinate Silver Jackets efforts in Kentucky, including participation in the Ohio River Basin Alliance (ORBA). Carey is also an ASFPM member, current co-chair of the ASFPM Mapping and Engineering Standards committee, and founding member and current chair of the Kentucky Association of Mitigation Managers (KAMM), the Kentucky state ASFPM chapter. Prior to his role as Assistant Director, Mr. Johnson spent three years as the Kentucky state NFIP Coordinator. He is a graduate of the University of Kentucky with Bachelor and Master's degrees in Soil Science.

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**Carolyn Kousky, Ph.D.**  
*Risk Management Member*



Dr. Carolyn Kousky is Executive Director at the Wharton Risk Management and Decision Processes Center at the University of Pennsylvania, where she also directs the Policy Incubator. Dr. Kousky's research has examined multiple aspects of disaster insurance markets, the National Flood Insurance Program, federal disaster aid and response, and policy responses to potential changes in extreme events with climate change. She has published numerous articles, reports, and book chapters on the economics and policy of natural disasters and disaster insurance markets, and is routinely cited in media outlets including *NPR*, *The New York Times*, *The Washington Post*, *Fortune*, *CBS News*, and *Business Insurance*, among others. She is the recipient of the 2013 Tartufari International Prize from the Accademia Nazionale dei Lincei. Dr. Kousky was a member of the National Research Council Committee on Analysis of Costs and Benefits of Reforms to the National Flood Insurance Program and is a visiting Fellow at

Resources for the Future. She has a BS in Earth Systems from Stanford University and a PhD in Public Policy from Harvard University.

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**Tony LaVoi**

*National Oceanic and Atmospheric Administration Designee*



Tony LaVoi serves as the National Oceanic and Atmospheric Administration (NOAA) Geospatial Information Officer (GIO), as well as the U.S. Department of Commerce's Senior Agency Official for Geospatial Information. Tony and his GIO team are the focal point for enterprise geospatial projects, strategies, policy development, standards, and coordination activities across NOAA. He has worked over the past two decades to increase the use of geospatial tools and technologies to support all aspects of NOAA's mission. Tony serves on the Department of the Interior's National Geospatial Advisory Committee (NGAC), the Federal Emergency Management Agency's (FEMA) Technical Mapping Advisory Council (TMAC), and is active in the United Nations Global Geospatial Information Management Working Group. In the past few years, the NOAA GIS community was inducted into the Urban and Regional Information Systems Association (URISA) GIS Hall of Fame and received two Esri Making a Difference Awards, the National States Geographic Information Council (NSGIC) Distinguished Service Award and the FGDC Doug D. Nebert NSDI Champion of the Year Award.

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**David Love**

*Local Cooperating Technical Partner Representative*



Mr. Love is a professional civil engineer with 10 years of experience in floodplain management with Charlotte-Mecklenburg Storm Water Services. Formal education includes a Bachelor of Arts degree in Economics (Davidson College 1978) and a Bachelor of Science degree in Civil Engineering (University of North Carolina-Charlotte 1990). As a Project Manager with the Engineering & Mitigation Program, Mr. Love implements local flood mitigation projects including acquisitions and retrofits. He resides in Charlotte, NC with his wife and two children.

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**Robert Mason, P.E.**

*U.S. Department of the Interior Designee*



Robert Mason is the U.S. Geological Survey (USGS) Extreme Hydrologic Events Coordinator. He plans for and helps USGS scientists and technicians respond to major floods, droughts, contaminate spills, harmful algae blooms, and post-wildfire hydrologic events by coordinating deployment of USGS observation systems and personnel in support of Federal response agencies and to acquire data needed to advance our understanding of water hazards. Robert is a coauthor of the Federal Guidelines for Flood Frequency Analysis, Bulletin 17C. He is a registered Professional Engineer and received his Bachelor and Master of Science in Civil Engineering from North Carolina State University and is pursuing a PhD in Civil Engineering at Virginia Tech.

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**Salomon Miranda, P.E.**

*State National Flood Insurance Program Coordination Office Representative*



Salomon Miranda is the Chief of the Water Supply Evaluations Section of the California Department of Water Resources' Division of Regional Assistance in the Southern Region Office (SRO). Mr. Miranda is a Board member of the Floodplain Management Association and is the National Flood Insurance Program Specialist for southern California. In addition, Mr. Miranda is the SRO's liaison for the California's Statewide Flood Management Planning Program and the California Silver Jackets Team.

Prior to assuming his current role, he worked in the State's Subventions Program, reviewed and issued reimbursement notices for water supply projects, conducted floodplain mapping, and evaluated grant applications for flood risk reduction projects. Mr. Miranda Joined the Department of Water Resources in 2000. He's a registered Professional Engineer and holds a B.S. and M.S. degrees in civil engineering from the California State University at Los Angeles.

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**James Nadeau, PLS, CFM**  
*Surveying Member*



James Nadeau, founder of Nadeau Land Surveys in Portland, Maine, is a Professional Land Surveyor with the three National Flood Insurance Program designations of Certified Floodplain Manager, Certified Floodplain Surveyor, and Associate in National Flood Insurance. He presents customized educational programs to various stakeholder audiences both locally and nationally, and publishes a nationally distributed educational newsletter entitled "Welcome to the Flood Zone", which earned a Media/Outreach Award by the Association of State Floodplain Managers for commitment to educating the public on topics in floodplain management.

Jim currently serves as the Chair for the State of Maine Board of Licensure for Professional Land Surveyors, is an active delegate member of the National Council of Examiners for Engineering and Surveying, and is Co-chair of a FEMA Subcommittee to the External Affairs Committee on behalf of the National Society of Professional Surveyors. He is also a Designated Broker and Owner of Jim Nadeau Realty, holding an A.S. in Business Administration and a B.S. in Organizational Leadership.



**Ngoc Nguyen, P.E.**

*Local Cooperative Technical Partner Representative*



Ngoc Nguyen is a registered civil engineer in California. He is currently serving as 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 29 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.

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**Luis Rodriguez, P.E.**  
*Federal Emergency Management Agency Designee*



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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**Jonathan H. Smith, Ph.D.**  
*U.S. Department of Agriculture Designee*



Jonathan H. Smith is the Director of the Resource Inventory Division of the Natural Resources Conservation Service (NRCS). The Division is responsible for conducting the Natural Resource Inventory (NRI) and other statistical and remote sensing assessments of environmental resource conditions. He has expertise in the application of geo-spatial technologies (remote sensing, geographic information science (GIS) and global positioning systems (GPS) in resource management. Prior to the NRCS, Dr. Smith managed the Land Change Science Program at the US Geological Survey for 14 years. Before working for the USGS, he was employed by the Environmental Protection Agency at the National Center for Environmental Research in

Washington DC and the Office of Research and Development in Research Triangle Park, NC. Dr. Smith was also a professor at the University of Wisconsin at Whitewater and served as an officer in the US Navy for four years. He obtained a B.S. degree in biology from Brooklyn College, a M.S. in resource management from the College of Environmental Science and Forestry in Syracuse NY and a Ph.D. in geography from the University of Georgia. He has published papers in a number of journals including *Remote Sensing of Environment*, *Photogrammetric Engineering and Remote Sensing*, *Environmental Management* and the *Journal of the American Water Resources Association*.

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**Jeffrey L. Sparrow, P.E., CFM (TMAC Chair)**  
*Mapping Member*



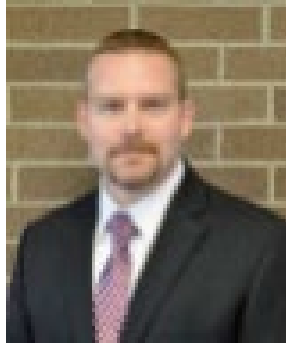
Mr. Sparrow is a vice president and Federal Lead for Moffatt & Nichol with over 29 years of experience. He has helped FEMA accomplish the goals of Map Modernization and Risk MAP to promote mitigation action and achieve resiliency. He has a BS from the University of Delaware and an MBA from George Mason 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 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.

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**Joshua H. Stuckey, RS, CFM**

*Regional Flood and Stormwater Management Member*



Joshua Stuckey, RS, CFM is the Senior Director for Capital and Facility Planning for Harris County, Texas Budget Management, an organization serving over 4.5 million constituent's public infrastructure capital needs. He is also Harris County's Deputy Incident Commander for post disaster damage assessment and debris removal. He previously has served as Harris County's Chief Administrative Officer for Public Infrastructure, Building Official and Flood Plain Administrator. Prior to joining Harris County in 2009, Josh retired from the Armed Forces and primarily served as an Army Officer specializing in combat health support, disaster planning, and medical evacuation (MEDEVAC) piloting Blackhawk helicopters in support of the Global War on Terrorism. Josh holds a Bachelor of Science from Southwest Texas State University, and an Executive MBA from Texas A&M University.

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**Dr. Michael Tischler**

*U.S. Geological Survey Representative*



Dr. Michael Tischler is the Director of the National Geospatial Program (NGP) at the U.S. Geological Survey (USGS). The NGP provides the digital geospatial foundation for the United States, and is responsible for designing, planning, and executing the national topographic

mapping program. Dr. Tischler provides management oversight and direction to the NGP including The National Map, the National Geospatial Technical Operations Center, the 3D Elevation Program, the National Hydrography Dataset, the US Topo Map Series, research activities performed at the Center of Excellence for Geospatial Information Science (CEGIS), and geospatial data and information in response to natural disasters. Prior to joining the USGS, Dr. Tischler worked as the U.S. Army Corps of Engineers Geospatial Research Laboratory in Alexandria, VA providing strategic and technical oversight to a variety of basic and applied geospatial research projects. Dr. Tischler earned his B.S. in Soil Science from North Dakota State University (2000), his M.S. in Soil and Water Science from the University of Florida (2003), and his Ph.D in Earth Systems and GeoInformation Science at George Mason University (2015). Dr. Tischler lives in Fairfax, VA with his wife and twin 8-year-olds.