



FEMA

TMAC

Technical Mapping Advisory Council 2022 Members

Stephen S. Aichele, Ph.D.

U.S. Geological Survey Representative



Steve Aichele is a Geographer with the U.S. Geological Survey (USGS) National Geospatial Program (NGP), currently serving the Hydrography Program and Planning Lead. Steve started his career with the USGS Michigan Water Science Center primarily working on water quality projects and water resources evaluations in southeast Michigan. Since 2006, Steve has worked for the USGS NGP as a Geospatial Liaison and as the Hydrography Focus Area Lead, leading both the Hydrography Requirements and Benefits Study – an in-depth accounting of the value of good quality inland hydrography data – and development of the new specifications for Elevation-Derived Hydrography based on lidar data.

Dr. Aichele holds a BS in Geography from Penn State, and a Master and Ph.D. in Geography from Michigan State. His dissertation work studied the effects of climate and land use change on watersheds in the suburbs of Detroit.

Stacey Archfield

U.S. Department of the Interior Designee



Dr. Stacey A. Archfield is a Research Hydrologist with the USGS Water Resources Mission Area in Reston, Virginia. Dr. Archfield leads research teams focused on characterizing and predicting drought and other hydrologic extremes. Her personal research is focused on understanding hydrologic change for water resources applications. She is a Co-Executive Editor of the Hydrological Sciences Journal, an Editor of Hydrology and Earth Systems Science, and an Associate Editor of Water Resources Research. Dr. Archfield has over 40 peer-reviewed publications, including one book, two book chapters, and publications in Nature Climate Change, Environmental Research Letters, and Geophysical Research Letters. She holds a Ph.D. in Civil and Environmental Engineering from Tufts University, a M.S. in Geosystems from the Massachusetts Institute of Technology, and a B.S. in Geology from Northeastern University. Dr. Archfield's work has been the subject of federal briefings, media interviews as well as invitations to speak as a keynote panel member and plenary speaker at professional conferences.

Douglas A. Bellomo, P.E., (TMAC Chair)

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 manage their flood risk and build resilience against flood threats more proactively. 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.

Edward Clark

National Oceanic and Atmospheric Administration Deisgnee



Edward Clark is the director of the NOAA National Water Center (NWC) in Tuscaloosa, AL, and deputy director of the National Weather Service Office of Water Prediction. Clark oversees operations, supports the management and strategic direction of the Office of Water Prediction, and facilitates collaborative efforts to evolve NOAA's water prediction capabilities with federal, academic, and private partners, the National Science Foundation, and the National Center for Atmospheric Research, among others.

For the past 6 years, Clark has led the National Water Center's Innovator's Program, working closely with National Science Foundation, and the National Center for Atmospheric Research, the Consortium of Universities for the Advancement of Hydrologic Sciences, Inc, and federal partners including the U.S. Geological Survey (USGS), to explore and develop next generation national flood forecasting and emergency response operations. Before becoming director, Clark served as the director of Office of Water Prediction's Geo-Intelligence Division. He worked closely with multiple federal agency partners, including USGS, USACE and FEMA, on a variety of projects associated with the Integrated Water Resources Science and Services consortium.

Prior to serving as the director, Ed served in National Weather Service headquarters as the National Flash Flood Service Leader in the Analyze, Forecast, and Support Office. Clark began his career in the National Weather Service as an operational hydrologic forecaster, working as a senior hydrologist at the Colorado Basin River Forecast Center in Salt Lake City for seven years. He is a civil engineer by training with an emphasis in water resources and earned his Bachelor of Science degree in civil and environmental engineering from the University of Utah.

Maria Cox Lamm

State National Flood Insurance Coordination Office Representative



Maria Cox Lamm is a Certified Floodplain Manager (CFM) serving as the State Coordinator for the South Carolina Department of Natural Resources (SCDNR) Flood Mitigation Program. Maria has two decades of experience in floodplain mapping, floodplain management, and the National Flood Insurance Program. Maria served as an Associate Engineer for the SCDNR before becoming the State Coordinator. Before joining the SCDNR, she was an environmental engineer/planner for Wake County, NC Environmental Services. Her formal education is through North Carolina State University, where she received a Bachelor of Science in Natural Resources. Maria is the current co-chair of the Association of State Flood Plain Managers CTP subcommittee and a board member for the South Carolina Association for Hazard Mitigation.

Josh Davies

State Mitigation Officer



Josh Davies is an experienced public service executive with a demonstrated history of serving effectively in emergency management and government administration. He is skilled in public policy, emergency management, public health, emergency medical services, public safety, homeland security, and project/ strategic process management. Josh currently serves as the Division Chief and State Hazard Mitigation Officer for the State of Texas Division of Emergency Management. He received his formal education from the American Public University/American Military University, where he received his Bachelor of Arts in Emergency

and Disaster Management, and at the Naval Postgraduate School, where he received a Master of Arts degree in Homeland Defense and Security.

Vincent DiCamillo, (TMAC Vice Chair)

Mapping Member



Vince DiCamillo brings a wealth of FEMA mapping program experience and has supported mapping programs over the past 44 years. He participated in the first TMAC that led to the Map Modernization program and has been leading efforts that have helped evolve the mapping program through Risk MAP. Vincent demonstrates knowledge and competence regarding surveying, cartography, remote sensing, geographic information systems, and the technical aspects of preparing and using FIRMs.

Scott Giberson, CFM

Flood Hazard Determination FIRM 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.

Ronald Jacobson, PLS

Surveying Member



Ronald Jacobson has nearly 40 years' experience as a land surveyor and is currently the Survey Manager for Coleman Engineering Company's Ironwood, Michigan office. As Survey Manager, he oversees many of the Federal Government contracts for the company. For the past 15 years, these contracts have included overseeing the survey portion of the Risk Mapping projects to update Flood Hazard Areas throughout the Midwest. Prior to his role at Coleman Engineering Company, Ron oversaw numerous flood study and dam breach analysis projects. In addition, he has given presentations to land surveying students discussing surveying on FEMA projects.

Ron is an active member of the Wisconsin Society of Land Surveyors, Michigan Society of Professional Surveyors, Minnesota Society of Professional Surveyors, Illinois Professional Land Surveyors Association, and National Society of Professional Surveyors. He currently serves on the Wisconsin Society of Land Surveyors Board as Director At-Large and on the Wisconsin Society of Land Surveyors Foundation Board. Ron holds a B.S. Degree in Land Surveying from Michigan Technological University and is licensed as a Professional Surveyor in six states.

Carey Johnson

Regional Flood and Stormwater Management Member



Carey Johnson is Director of the Division of Water within the Department for Environmental Protection in the Kentucky Energy and Environment Cabinet. Originally hailing from Boone County in northern Kentucky, he received a BS and MS in Soil Science from the University of Kentucky College of Agriculture. For the past 20 years, he has led Division efforts to meet Clean Water and Safe Drinking Water Act goals, manage and enhance resilience to natural hazards, and in developing and utilizing digital tools. He serves as the state lead for Kentucky Silver Jackets collaborative efforts with the US Army Corps of Engineers and is a current member of the Technical Mapping Advisory Council (TMAC); a federal advisory committee established to review and make recommendations to the Federal Emergency Management Agency (FEMA) on matters related to the national flood mapping program. He represents the Division as an Ohio River Sanitation Commission (ORSANCO) Commissioner proxy, as a steering committee member of the Ohio River Basin Alliance (ORBA) and on the Kentucky State Hazard Mitigation Council. Carey served as chair of the Association of State Floodplain Managers (ASFPM) from 2020-2022.

William Lehman

U.S. Army Core of Engineers Representative



William Lehman is an Economist with the United States Army Corps of Engineer's Hydrologic Engineering Center serving as a Senior Risk Analyst. William leads the Hydrologic Engineering Center's Watershed Analysis Tool which is a software package that facilitates the evaluation of flood risk at a watershed scale. William has supported risk analysis studies from small

watersheds to large watersheds like the greater Columbia River System to evaluate alternative analysis of structural and non-structural changes to the watershed and the risk and uncertainty of those projects. William also served as a national cadre lead for consequence analysis for applications of the Levee Screening Tool, advising teams on how to appropriately evaluate consequences to support risk informed decisions about investments in levees across the nation.

Mr. Lehman holds a Master of Economics from Oklahoma State University and a Master of Risk Management from Notre Dame Maryland University. He has been working in flood risk management since 2008.

Jonathan Paoli

State Geographic Information System Representative



Jonathan Paoli has been the GIS Administrator at the Iowa Department of Homeland Security and Emergency Management since 2001. During this time, he has worked to respond to and recover from 34 Stafford Act disaster declarations. Mr. Paoli is responsible for GIS applications, databases, web applications, Iowa's crisis information management system, analysis, and has performed flood modeling for all-hazards planning and response purposes. Mr. Paoli has managed the statewide acquisition of digital orthophotography and assisted in the statewide acquisition of LiDAR.

Mr. Paoli currently serves as a State of Iowa representative to the National States Geographic Information Council and is active in the council's Geospatial Preparedness Committee. Mr. Paoli is a member of the National Alliance for Public Safety GIS Foundation Executive Leadership Team, the Mid-America GIS Consortium, the Iowa Geographic Information Council, and Iowa's Homeland Security Advisory Committee. Mr. Paoli is a graduate of the University of Wisconsin-La Crosse.

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.

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*.

Jeffrey L. Sparrow, P.E., CFM
Floodplain Management Association Member



Mr. Sparrow is a vice president and Federal Lead for Moffatt & Nichol with over 30 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.

Liang Xu, Ph.D., P.E.

Local Government Agency Representative



Liang Xu, Ph.D., P.E., is a registered professional engineer in the state of California and Arizona, serving as an Engineering Manager for the Santa Clara Valley Water District. Liang is also an Adjunct Professor at San Jose State University. Before his current positions, Liang was the Senior Engineer for the Santa Clara Water District. He has numerous publications on wastewater discharge and treatment, soil aquifer treatment systems, and various other topics related to flood protection projects. He has wide range of project experiences and deep knowledge in hydrology, hydraulics, geomorphology and floodplain management. Liang received his Bachelor of Science and Master of Science in Civil Engineering from Tongji University and his Doctorate in Water Resources from Arizona State University. **Affiliation:** Director of the National Water Center and Deputy Director of the Office of Water Prediction, NOAA NWS
