

## 2017 Concurrent Session Presentations & Speakers

Tuesday, 5/2/2017

### 10:30-Noon CONCURRENT SESSION A

A1: Assessments to Evaluate & Prioritize Mitigation Options

**Moderator:**

*Implementing a Proactive Land Acquisition Framework for Flood Risk Reduction.* Sam Brody, Texas A&M University  
*Owen County, IN Transportation Vulnerability Assessment.* David Knipe, Indiana Department of Natural Resources  
*Nonstructural Assessment in the Little Apple.* Brian Rast, USACE, Institute for Water Resources

A2: The Changing Face of Floodplain Management Policy

Moderator: Joy Duperrault, CFM, Massachusetts Dept. Conserv. & Rec.

*Climate Change Policy Update: Overview of Federal Agency Responses to Executive Order 13690 & the Federal Flood Risk Management Standard.* Shane Parson, AECOM

*Levees & NFIP Reauthorization: Some Hot Topics & What to Watch.* Levees, National Policy, Residual Risk, Insurance Affordability, Catastrophic Disaster Insurance Karin, Jacoby

*The Climate Science Approach in Floodplain Management.* Kristina Murphy, DuPage County, IL

A3: Modeling a Wave of Coastal Conditions

**Moderator:**

*Lake Michigan ADCIRC+SWAN Modeling for Flood Risk Analysis.* Jeffrey Tabar, STARR II

*Gowanus Canal & Newtown Creek Storm Surge Barrier.* Jonathan Goldstick, CH2M

*Wave Runup: Does it Really Determine Floodplains? Corrections to Common Errors in Modeling & Mapping of Wave Runup & Overtopping.* Joe Faries, Stantec

A4: Nature-based Flood Reduction & Ecosystem Services

Moderator: Rebecca Pfeiffer, CFM, Vermont Agency of Natural Resources

*Naturally Resilient Communities: Using Nature & Nature-based Solutions to Address Flooding.* Nathan Woiwode, The Nature Conservancy

*Ecosystem Service Valuation Tools for Floodplains: A Cache River Wetlands Case Study.* Mark Healy, Southern Illinois University

*From Headwaters to Downtown: Informing Floodplain Restoration Priorities with Spatial Analytics & Ecosystem Service Valuation.* Zachary Christin, Earth Economics

A5: The Case for Quality Data

**Moderator:**

*Quantifying the Impact of 20-year Flood Frequency on Land Cover Change Type.* David Alexander, FEMA HQ (DHS)

*Extreme Precipitation Analysis vs. Archived Storms in a Digital Age.* Marian Baker, USACE, Kansas City District

*An Innovative Approach for Determining Storm Event Rainfall Probabilities: Case Study Hurricanes Matthew & Joaquin.* Neal Banerjee, ESP

A6: Communication About Residual Risk for Dams & Levees

**Moderator:**

*The Art of Information Sharing.* James Demby, FEMA HQ

*In the Shadow of the Levee: Communicating Residual Risk.* Steven Wolf, JEO Consulting Group, Inc.

*Communicating How Levees Affect Flood Risk with Help from the RISK MAP Playbook.* Alex Wendel, Resilience Action Partners

A7: Tools for Risk Communication

Moderator: Stephanie Bany Porter, GISP, CFM, AECOM - KC Office

*\*Engaging Millennials in Flood Risk: Lessons Learned from the New North Carolina Flood Website for Multi-Audience Outreach.* John Dorman, North Carolina Department of Public Service/Emergency Management

*The Listening Dashboard: EPA Drives Flood Resilience with Data Analytics.* Janice John Roper-Graham, Outreach Process Partners, LLC

*Communicating Relevant, Actionable, Flood Protective Actions to the Public.* Jacqueline Snelling, FEMA HQ, Individual & Community Preparedness

A8: SHOWCASE 1

*How to Live with Water: A Collaborative Model for Improved Water Management from New Orleans.*

**Tuesday, 5/2/2017**

**1:45-3:15 CONCURRENT SESSION B**

B1: Floodproofing

Moderator: Michelle Staff, CFM, Wisconsin Dept. Natural Res

*Development & Implementation of Dry Flood Proofing Stored at the Point of Use.* Jeffrey Roushey, ILC Dover

*An "Opening" Argument: The Controversy Over Floodshields & the Protection of Glass Storefronts & Curtain Walls.* James Colgate, Bryan Cave LLP

*Preparing a More Resilient NYC: Flood Emergency Plans.* Clinton Peterson, New York City Department of Buildings

B2: Overcoming Resource Challenges for Floodplain Management Administration

Moderator: Anita Nance, Indiana Dept. Natural Res.

*\*Resources for Rural Communities (Building a Framework for Successful Floodplain Management).* Becca Fricke-Croft, Atkins

*Reducing Barriers to CRS Entry - Introducing the Oklahoma CRS Toolkit.* Monica Cardin, City of Del City, OK

*\*The Importance of a Unified State Floodplain Program: Working Together to Build More Robust Local Floodplain Management Programs Throughout Montana.* Traci Sears, Montana Dept. of Natural Resources & Conserv.

B3: Changing Climate & Rainfall: A Modeling Perspective

Moderator: Jeanne Ruefer, PMP, CFM, Tetra Tech

*\*Climate-Modified Hydrology Tests in Colorado: What if the Next Flood Is Worse?.* Brian Varrella, Colorado Department of Transportation

*Flood Hazard Identification & Risk Assessment Using Predicted Rainfall: 2016 Missouri Flood Event Case Study.* Thomas Schweitzer, Atkins

*An Alternative Temporal Rainfall Distribution for Hydrologic Analysis & Design.* Joseph Wilson, Wilson Hydro, LLC

B4: Response to Recent Flood Disasters

Moderator: David Key, P.E., CFM, ESP Associates, P.A.

*\*Success, Challenges & Lessons Learned from Louisiana & Texas Flooding.* Lisa Jennings, FEMA Region VI  
*2015 South Carolina Flood Impacts on Dams.* Sam Crampton, Dewberry  
*A Tale of Two Floods.* Rob Davis, City of Cedar Rapids, IA

B5: Transforming the Flood Mapping Program

Moderator:

*Innovative Initiatives in FEMA's Flood Mapping Program: Planning for the Future.* Rick Sacbbit, FEMA HQ  
*FEMA's Flood Mapping Program: Enhancements Due to NFIP Reform & TMAC Recommendations.* David Bascom, FEMA HQ  
*New Tools for Obtaining Community Input into the Flood Hazard Identification Process.* Ferrin Affleck, Atkins

B6: View from the Dry Side: Addressing Levee Deficiencies

Moderator:

*In a Levee Midlife Crisis? A SWIF Success Story: Salt Creek Levees.* Dan Fricke, JEO Consulting Group, Inc.  
*Who's the Boss? Special District Woes, Land Use Goals, & Leveed Land in Oregon.* Colin Rowan, Multnomah County Drainage District, OR  
*Lower St. Francis Levee System 11 & 12 Study: An "Outside the Box" Approach to Unlocking Large Systems.* Lee Beshoner, FTN Associates, Ltd.

B7: SHOWCASE 2

B8: Local Stormwater Project Successes

Moderator: Reuben Cozmyer, P.E., CFM, AECOM - KC Office

*Designing & Managing Complex Urban Streamway Projects with Multiple Objectives.* Chad Johnson, Olsson Associates  
*Zone AO Challenges in Oklahoma's Prairie Heartland.* Janet Meshek, Meshek & Associates, PLC  
*Sioux City's Ravine Park: Watershed-scale Stormwater Improvements with Innovative Funding.* Aaron Gwinnup, HR Green

Tuesday, 5/2/2017

3:45-5:15 CONCURRENT SESSION C

C1: Local Mitigation Success Stories

Moderator: Timothy Trautman, P.E., CFM, Charlotte-Mecklenburg Storm Water Services

*Creating Successful Partnerships: City of Austin – Lower Onion Creek Flood Mitigation Buyout Project.* Pamela Kearfott, City of Austin, TX  
*Kingfisher, OK: Small Town Makes it Big through Collaboration.* Rita Henze, Meshek & Associates, PLC  
*Locking Down the Right Flood Mitigation Plan.* Donald Green, Michael Baker International

C2: Changing Attitudes About Higher Standards

**Moderator:**

*\*States & Communities with Higher than Minimum Standards: What are We Seeing?.* David Conrad, Conrad Associates  
*Engaging Private Enterprise to Promote Flood Safety.* Jennifer Gerbasi, Terrebonne Parish, LA  
*The Dollars & "Sense" of Flood Resiliency.* Adam Reeder, CDM Smith

C3: Advancements in Hydrologic Data & Methods

**Moderator:**

*Forging the Middle Ground Between Regression Equations & Detailed Basin Hydrologic Modeling.* Carey Johnson, Kentucky Division of Water  
*Estimating Peak Flows for Ungaged Streams Using Trail Camera Images.* Mark Hoskins, Michael Baker International  
*Delivering High-quality, Integrated Topographic Data for Flood Modeling.* Stephen Aichele, USGS

C4: The Role of Wetlands in Watershed Management

**Moderator:**

*What Floodplain Managers Need to Know About Wetland Condition: NWCA 2011 Finds Relationship Between Hydrological Stress & Wetland Health.* Myra Price, EPA  
*\*Assessing Multiple Functions of Missouri's Bottomlands: Laying the Groundwork For Wetland Conservation.* Frank Nelson, Missouri Department of Conservation  
*\*The Iowa Watershed Approach.* Allen Bonini, Iowa Department of Natural Resources

C5: Improving the Customer Experience with Mapping

Moderator: Meghan Anderson, GISP, CFM, AECOM - KC Office

*Keeping Customer-centric Aspirations in Technical Processing.* Amanda Rabenstine, Michael Baker International  
*\*The Flood Risk Snapshot: Using Flood Risk Datasets to Personalize Flood Risk.* Joe Martinenza, Georgia Department of Natural Resources  
*\*Flood Risk Information for the Masses: Estimated Base Flood Elevation Viewer.* Ron Wanhanen, FEMA Region VI

C6: SHOWCASE 3

C7: Training & Messaging

**Moderator:**

*Supporting Communities, States & Federal Partners – Being a Trusted Advisor to All Levels of Government.* Elizabeth Savage, H2O Partners  
*\*A Chapter's Role in Communicating Risk & Training Our Floodplain Managers.* Craig Wenger, Michael Baker International  
*What Did You Say? How to Effectively Convey Technical Concepts to a Non-technical Audience.* Necolle Maccherone, Michael Baker International

C8: Improving Green Infrastructure Functionality & Acceptance

Moderator: Jacob Tysz, CFM, Atkins

*New Decision-making Tools for Communities & Homeowners: the RainReady Approach.* Molly Oshun, Center for Neighborhood Technology  
*Building Resilient Communities with Green Infrastructure One Code at a Time.* Julia Noordyk, University of Wisconsin Sea Grant Institute  
*How to Live with Water: A Collaborative Model for Improved Water Management from New Orleans.* Jamelyn Austin Trucks, Atkins

Wednesday, 5/3/2017

## 10:30-Noon CONCURRENT SESSION D

D1: Mitigation & Resilience Planning

**Moderator:**

*Improving Community Resilience Through Integrated Risk Modeling & Community Planning.* Mike Robinson, AECOM  
*Drought, Fire, & Flood: Connecting the Hazards & Planning for the Triple Threat.* Jeffrey Henson, JEQ Consulting Group, Inc.  
*Implementing Socio-Ecological Resilience into Floodplain Planning, Design, & Capital Projects.* Steve Moddemeyer, CollinsWoerman

D2: International Floodplain Management Policy

Moderator: Bo Juza, Ph.D., CFM, DHI

*The Economic Argument for Amphibious Retrofit Construction.* Elizabeth English, University of Waterloo  
*The EU Floods Directive: What We Can Learn from the European Experience.* Anna Serra-Llobet, University of California, Berkeley  
*A Review of Risk-based Approaches in the US & Abroad, & Their Lessons for the NFIP.* Mike Seering, AECOM

D3: Advancements in 2D Modeling

**Moderator:**

*Hyper-resolution Flood Assessments in Urban Areas Using 2D GPU Modeling.* Reinaldo Garcia, Hydronia LLC  
*From Nuisance Flooding To Major Disasters: Analyzing Urban Low Impact Development Techniques with a 2D Flood Routing Model.* Noemi Gonzalez Ramirez, FLO-2D Software Inc.  
*Creative Applications for 2D Rapid Inundation Modeling.* Elise Ibendahl, CH2M

D4: Preparing Local Governments for Disaster Workloads

**Moderator:**

*Preparing Your Floodplain Administration & Building Department for a Disaster.* Manny Perotin, CDM Smith  
*Disaster Preparedness for Local Code Officials.* Gary Mullinix, SAFEbuilt  
*Floodplain Management Post-disaster: How to Handle Activity Demands from Residents, State, & FEMA.* Julie Grauer, FEMA Region I

Wednesday, 5/3/2017

## 1:30-3:00 CONCURRENT SESSION E

E1: Leveraging Funding for Mitigation Projects

Moderator: Jen Marcy, CFM, Atkins

*\*Financing Resilience in Connecticut: Current Programs, National Models, & New Opportunities.* Wayne Cobleigh, GZA GeoEnvironmental, Inc.  
*Solutions for Capturing Cost Share by Leveraging Multiple Funding Sources to Maximize Recovery Options.* Franki Coons, AFC Partners, LLC  
*Developing Coordinated Funding to Reduce Local Flood Risk.* Jonathan Raser, Tetra Tech, Inc.

E2A: Flood Insurance in Practice & Theory

Moderator: Katie Sommers, CFM, Wisconsin Emergency Management

**National Flood Insurance Program Changes & Pricing.** Phillip Dunn, National Flood Services  
**Update from FEMA's Office of the Flood Insurance Advocate.** Rhonda Montgomery, FEMA HQ  
**Is it In or Out? Rethinking the Mandatory Purchase Requirement.** Duncan Hastie, Dewberry

E2B: Local CRS Implementation Across the Country

Moderator: David A. Stroud, CFM, Amec Foster Wheeler

**Marriage of Dallas, TX CTP & CRS: A Blissful Union.** Steve Parker, City of Dallas, TX (Trinity Watershed Mgmt. Dept.)  
**Fort Collins, CO: Be Flood Ready – A CRS Program for Public Information.** Marsha Hilmes-Robinson, City of Fort Collins, CO  
**The NFIP's Community Rating System: Bridging Adaptation Gaps in Coastal Communities.** Mary-Carson Stiff, Wetlands Watch

E3: 2D Modeling & Mitigation

Moderator: Mike Schlesener, GISP, AECOM - KC Office

**Elkhorn River Long-term Bank Stabilization Project.** Sara Mechtenberg, FYRA Engineering  
**SMART Flood Risk Planning Using HEC-RAS 2D.** Brinton Swift, HDR  
**Urban Floodplain Modeling with HEC-RAS Combined 1D/2D Fargo, ND.** Adam Nies, Houston Engineering, Inc.

E5: Coastal Impacts of Climate Change

**Moderator:**

**Storm Induced Coastal Erosion for Flood Insurance Studies & The Missing Link to Forecasting Coastal Flood Damage Impacts: Erosion, Runup, & Overtopping.** Jeff Gangai, Dewberry  
**Accounting for Long-Term Erosion & Sea Level Rise in New England: A TMAC Recommendation.** Elena Drei-Horgan, AECOM  
**Looking to the Future - San Francisco Bay Area Increased Flooding Scenarios.** Kristen MacDougall, AECOM

E6: Chaging Risk Analysis Methods in a Changing World

Moderator: Gene Barr, CFM, Arcadis

**Using Risk Analysis to Inform Levee Investment Priorities in the California & Dutch Deltas.** Jessica Ludy, Arcadis-U.S.  
**Climate Change & its Effect on the Resiliency of Our Dams & Levees.** Scott Brand, HDR  
**Application of Risk Informed Decision Making & Potential Failure Mode Analysis to Improve Resiliency of Critical Floodplain Infrastructure.** Robert Beduhn, HDR

E7: What's New at FEMA for Outreach

Moderator: Bruce Bender, CFM, Bender Consulting Services, Inc.

**Enhancing the National Flood Insurance Program: Lessons Learned from FEMA's Customer Experience Initiative.** Priscilla Scruggs, FEMA, FIMA  
**Customer-centric Approaches for Communicating Map Changes.** Priscilla Scruggs, FEMA, FIMA  
**The Future of FEMA's Coastal Flood Information.** Tucker Mahoney, FEMA HQ

E8: Green Infrastructure to Reduce Flood Damage

**Moderator:**

*China's Sponge Cities Initiative, Lessons Learned from the US.* Kari Mackenbach, ms consultants  
*Would You Like to Understand the Flood Control & Resiliency Benefits of Green Infrastructure?.* Jennifer Walker, Watearth  
*Changing the Paradigm: Stormwater Management for the Greater New Orleans, LA Area.* Jessica Watts, CDM Smith

E9: States Day: Mitigation

**Moderator:**

*\*Development & Feasibility of a State Led Flood Audit Program.* Michelle Burnett, Rhode Island Emerg. Mgmt. Agency  
*\*Community Resilience & Historic Resource Preservation: Preserving Quality of Life in Connecticut.* Scott Choquette, Dewberry  
*\*Silver Jackets – Teaming to Mitigate and Manage State Flood Hazard Priorities.* Ellen Berggren, USACE

Wednesday, 5/3/2017

3:30-5:00 CONCURRENT SESSION F

F1: Encouraging Mitigation Action

**Moderator:**

*Flood Economics: How Flood Mitigation Investment Returns Positive Benefits.* Kathleen Boyer, FEMA HQ  
*\*Mitigation Actions Through Communication.* George Riedel, Michael Baker International  
*Engaging Communities to Reduce Risk: Who, When, How, & Other Lessons Learned.* Karen Amrhein, STARR II/ Atkins

F2: CRS: What's New & Local Program Administration

**Moderator:**

*The CRS Program – Looking at Current Changes & Considering Measures of Effectiveness.* Bill Lesser, FEMA HQ  
*Community Rating System Cycle Visits Since 2013: Nuances, Triumphs, & Tribulations.* Kimberley Pirri, AECOM  
*Coordinating CRS Success on a County Scale.* Cynthia Addonizio-Bianco, Tetra Tech, Inc.

F3: Beyond Flood Modeling: Assessing Other Hazards & Components

**Moderator:**

*Mud & Debris Flow Study in Aspen, CO.* Dai Thomas, Tetra Tech, Inc.  
*Simulating Surface Runoff & Sediment Transport Using CHRE2D Model.* Jennifer Duan, University of Arizona  
*Connecting the Mapped Risk to the Actual Risk to What's at Risk.* David Skuodas, Urban Drainage & Flood Control District

F4: Watershed-level River Planning & Management

**Moderator:**

*One Watershed, One Plan: A Case Study of Integrated Watershed Planning for Multiple Benefits.* Shawn Tracy, HR Green  
*Souris River, ND: Collaborative Flood Risk Mitigation Success Story.* Terry Zien, USACE  
*The Yellow River Initiative & the Restoration of the Kankakee River Basin.* Robert Barr, Center For Earth and Environmental Science, IUPUI (Indiana Univ. - Purdue)

F5: Modeling to Mapping to Warning

**Moderator:**

*Rapid, Dynamic, & Real-Time Flood Inundation Mapping for Emergency Management [and Planning].* Michael Thiemann, Riverside Technology, Inc.  
*Rapid Flood Mapping Using Inundation Libraries.* Jude Kastens, University of Kansas, Kansas Applied Remote Sensing Program (KARS) Kansas Biological Survey (KBS)  
*The Water Is Rising – Scalable, Reliable, & Relevant Flood Warning & Forecasting Supporting First Responders.* Jim Keith, Walter P. Moore & Assoc., Inc.

F6: Levee Risk Modeling

Moderator: John Brubaker, P.E., CFM, NC Dept. of Public Safety

*Web-based Automated, Two-Dimensional Levee-Failure Flood Simulation using DSS-WISE™ Lite.* Mustafa Altinakar, University of Mississippi, NCCHE  
*Levee Performance & Floodplain Risk Analysis with HEC-WAT.* Lea Adams, USACE  
*Planning for Levee Breach in Dubuque, IA: Modeling & Development of Mitigation Strategies.* Andy McCoy, HDR

F7: Tools for Risk Communication & Floodplain Management

**Moderator:**

*Crowdsourcing Mobile Apps in Floodplain Management.* Gopal Raja, Ideation, Inc.  
*Texas CHARM Engages Stakeholders: A FEMA CTP Tool for Risk Communication.* Steven Mikulencak, Texas A&M University, Sea Grant/Coastal Watershed Program  
*Federal Partnered Collaborations Helping to Build a Weather Ready Nation.* Victor Hom, NOAA, NWS

F8: Stormwater Management Policy

**Moderator:**

*Stormwater Management- NAI, the State of the Art.* Ron Flanagan, Flanagan & Associates, LLC  
*How Has Federal Stormwater Program Evolved & What Does it Mean for You?.* Todd Williams, Michael Baker International  
*Approaches for Determining & Complying with TMDL Requirements Related to Stormwater Runoff.* Anna Lantin, Michael Baker International

F9: State Chapter Action, Floodplain Regulations, Disaster Recovery

**Moderator:**

*\*Building an Effective Legislative Education Program to Support Flood Risk Reduction.* Tom Leatherbee, Oklahoma Floodplain Managers Association  
*\*Improving the Compliance of Manufactured Homes Installed in Floodplains.* Suzanne Sarpong, Arizona Dept. of Water Resources  
*\*When Disaster Strikes... Again: Response & Recovery in South Carolina.* Maria Cox Lamm, South Carolina DNR



Thursday, 5/4/2017

## 10:30-Noon CONCURRENT SESSION G

G1: Mitigation Project Process Guidance

**Moderator:**

*Elevation Project Outreach Education Tool Kit for Property Owners.* Roderick Scott, L & R Resources, LLC  
*Best Practices in Home Elevation.* Tammie DeVooght Blaney, International Association of Structural Movers  
*\*Transfer of Development Rights for Tax-base Neutral Flood Risk Management.* Lisa Hollingsworth-Segedy, American Rivers

G2: Research in Floodplain Management

**Moderator:**

*\*Who Lives in Floodplains? A Demographic Study in Nebraska.* Mitch Paine, Nebraska Department of Natural Resources  
*Influence of Road Characteristics on Vehicle-related Flood Fatalities.* Andrew Gissing, Macquarie University, Risk Frontiers  
*Creating a Water Risk Index to Improve Community Resilience.* Lobna El Gammal, Carnegie Mellon University (Department of Engineering & Public Policy)

G3: Automated Modeling to Identify Risk

**Moderator:**

*Large Scale Automated Engineering FEMA Floodplain Mapping in Eastern South Dakota.* Paul Anderson, CDM Smith  
*Out with the Old, In with the New: Implementing the Results of the Iowa Rapid Floodplain Modeling Project.* Traci Tylski, USACE, Omaha District  
*South Dakota LSAE: How FEMA & its Stakeholders Benefit from 2D LSAE.* Brandon Banks, AECOM

G4: Response to Recent Flood Disasters II

**Moderator:**

*Come Hell or High Water: The LFMA DRT Response to the Great Flood of 2016.* Shandy Heil, Louisiana State University AgCenter  
*Louisiana Underwater: Resiliency Hangs in the Balance.* Shona Gibson, FEMA Region VI  
*History & Significance of Coastal Federal Disaster Declarations from 1953-2016.* Darryl Hatheway, AECOM

G5: Coastal Interactions

Moderator: Maureen O'Shea, AICP, CFM, Idaho Dept. Water Resources

*King Tides: How this Event has Risen into Our Vocabulary.* Brian Caufield, CDM Smith  
*Prioritizing Re-mapping & Analyses of Rivermouths in California Coastal Areas Following FEMA Region IX's Coastal Re-study.* Vince Geronimo, AECOM  
*\*Silver Jackets – Teaming to Mitigate and Manage State Flood Hazard Priorities.* John Dorman, North Carolina Department of Public Service/Emergency Management

G6: USACE & FEMA Working Together with Your Help to Address the Nation's Levee Challenges

**Moderator:**

*USACE & FEMA Working Together with Your Help to Address the Nation's Levee Challenges.* Suzanne Vermeer, FEMA HQ, Steven Fink, USACE, Jim Murphy, AECOM

G7: Best Practices in Floodplain Management

Moderator: Corey Garyotis, P.E., CFM, Alabama Dept. Econ. & Community Affairs

*Exercise It! The Basics of Exercise Design for Floodplain Managers.* Jeff Roth, Booz Allen Hamilton

*Record Keeping for the Floodplain Administrator.* Steve Samuelson, Kansas Dept. Agriculture

*Generating Data, Risk Awareness & Tools for Local Benefit – Base Level Engineering.* Gary Zimmerer, FEMA Region VI

G8: Local Stormwater Initiatives

Moderator:

*Ladue, MO's Stormwater Management Program.* Josiah Holst, HR Green

*Managing Increasing Flood Risk on the Yahara Lakes, Dane County, WI.* Kenneth Potter, University of Wisconsin (retired)

*Evaluation of a Successful Watershed Partnership: 15 Years Later.* Amanda Grint, Papio Missouri River NRD, NE

Thursday, 5/4/2017

2:00-3:30 CONCURRENT SESSION H

H1: Building Resilience into Critical Facilities & Businesses

Moderator:

*Emergency Power Systems for Critical Facilities: A Best Practices Approach.* Gregory Wilson, FEMA HQ

*A Flood Vulnerability Assessment for Critical Facilities.* Lisa Graff, University of Illinois - Illinois State Water Survey

*Small- & Mid-size Business Disaster Preparedness & Resilience in New Orleans, LA.* Jon Philipsborn, AECOM

H2: Local Successes with Higher Floodplain Management Standards

Moderator: Rebecca Fricke-Croft, CFM, Atkins

*Neskowin Coastal Hazard Adaptation Plan: A Community Effort to Address Coastal Hazards.* Sarah Absher, Tillamook County, OR

*Raising the Bar: Adoption of Enhanced Elevation Requirements in New Orleans, LA.* Jared Munster, City of New Orleans, LA

*Maximizing Your Floodplain Management Ordinance for Risk Reduction.* James Holley, City of Blue Springs, MO

H3: Managing Data for Better Modeling

Moderator:

*Flood Study Needs Assessment, Process, & Tools for Bulk Geoprocessing of Large Datasets.* William Jiang, AECOM

*Papillion Creek Watershed: Making the Most of Available Data.* Lori Laster, Papio Missouri River NRD, NE

*Flood Modeling – How to Get What You Need.* Phillip Blonn, CH2M

H4: Restoration Projects

Moderator:

*Building a Floodplain Restoration Movement.* Eileen Shader, American Rivers

*Case Study - Bank Stabilization, Flood Reduction & Water Quality Improvement Design Build Project.* Ajay Jain, HR Green

*The Largest Wildlife Refuge Restoration Project in the Eastern US.* Sravan Krovidi, Amec Foster Wheeler

H5: Communicating Flood Risk

**Moderator:**

*Fill, Floodways, & BFEs: The Unsteady State of Floodplain Management.* Del Schwalls, Schwalls Consulting LLC  
*Communicating Flood Risk with a Story Map.* Taunnie Boothby, Matanuska-Susitna Borough, AK  
*Be Flood SAF(ER): Situational Awareness for Emergency Response – A River Flooding Extent Map Viewer.* Jared Allen, NOAA, NWS

H6: Complex Flood Control Projects

**Moderator:**

*Residual Flood Risk Associated with a Complex Levee System Fort Bend County, TX.* Jonathan Simm, HR Wallingford  
*USACE's first P3 project - Protecting the Fargo-Moorhead, ND Metro Region from Catastrophic Flooding.* Eric Dodds, AE2S (Advanced Engineering and Environmental Services, Inc.)  
*The Bottoms: A 2D Analysis of Trinity River Levee Interior Drainage System.* Sirak Bahta, City of Dallas, TX

H7: Tools to Inform Decision Making

Moderator: Greg Williams, CFM, Delaware Dept. Nat. Res. & Env. Ctrl.

*Where's the Risk? Informing Resilience Planning & Prioritization to Future Hazards Through Flexible Geographic Frameworks.* Brian Batten, Dewberry  
*Empowering Communities: New Technologies to Engage on Flooding Rains.* Raymond Laine, Ozengage  
*2017 Coastal Master Plan Data Viewer.* Andrea Galinski, Louisiana Coastal Protection & Restoration Authority

H8: Gray + Green Infrastructure = Better Projects

**Moderator:**

*Advanced Sustainable Urban Stormwater Infrastructure.* Mark Joersz, Advanced Drainage Systems  
*Kenilworth, IL Green Streets: Combining Porous Asphalt & Permeable Parkways to Reduce Flooding in a Combined Sewer Area.* Joy Corona, Bleck Engineering Co., Inc.  
*Integrating Green & Grey Public Infrastructure within a Framework of Multiple Ownership.* Laura Mwirigi Rightler, Civil Design Inc.

**Thursday, 5/4/2017**

**4:00-5:30 CONCURRENT SESSION J**

J1: FEMA Mitigation Policies & Requirement

**Moderator:**

*Averting a Second Disaster: Leading Financial Oversight Practices Following Disasters.* Michael Herman, Ernst & Young, LLC  
*FEMA's Support for Hazard Mitigation & Resiliency: Preparing for the Impacts of Climate Change.* Jordan Williams, CDM Smith  
*Mitigation Benefits Estimator: Automating the FEMA BCA Toolkit for Structure-based Project Prioritization.* Caroline Cunningham, Stantec

J2: Local & Coastal Flood Loss Reduction Initiatives

Moderator: William Nechamen, CFM, New York State Dept. Env. Conserv.

*US Military Sites on the Frontlines of Rising Seas.* Shana Udvardy, The Union of Concerned Scientists

*Flood Smart Communities: Municipalities Working Together To Build Flood Resilience.* Jayme Thomann, Genesee/Finger Lakes Regional Planning Council

*Strategies for Smart Growth & Long-term Flood Risk Reduction: Tipton, IN Case Study.* Sheila McKinley, Christopher Burke Engineering, LLC

J3: 2D Modeling Solutions for Unique Conditions

Moderator: Rocky J. Keehn, PE, D. WRE, ENVSP, LEED AP, CFM, Common Sense WRE

*Overland Flow Modeling Through Joliet, IL Using HEC-RAS 2D.* Aaron Thomas, Illinois State Water Survey

*2D Modeling for a 1D LOMR in a 3D World: Three "Simple" Stories.* Brad Woznak, SEH Inc.

*HEC-RAS Hydraulic Modeling Methods of Densely Populated Areas.* Jesse Pope, Gannett Fleming, Inc.

J4: Nature-based Flood Reduction II

Moderator:

*\*Innovative & Emerging State Policies & Programs Incentivizing Nature-based Solutions for Erosion, Flood Risk Reduction & Multiple Environmental Benefits.* Sarah Murdock, The Nature Conservancy

*Mapping Floodplains, Populations At Risk, & Opportunities for Nature-based Risk Reduction for the Continental United States.* Kris Johnson, The Nature Conservancy

*Nature-based Floodplain Management Exists, & Federal Agencies Should Know How to Implement It.* Jonathon Loos, American Rivers

J5: Partnerships for Mapping & Modeling Success

Moderator:

*A Modern Cooperating Technical Partners Program Vision: Our Operational Approach for the Next Five Years.* Laura Algeo, FEMA HQ

*\*Value of Local Partnerships: Texas Water Development Board Cooperating Technical Partner Program.* Cindy Engelhardt, Half Associates, Inc.

*Risk MAP - Use the Data You Already Have for a Better Result!* Claire Jubb, Charlotte County Board of County Commissioners

J6: Levees in Region VII: Mapping, Management, & Insurance

Moderator:

*FEMA Region VII Levee Mapping Strategy.* Rick Nusz, FEMA Region VII

*What is Your Story? FEMA Region VII Levee Data Documentation for the Future to Share Our Past.* William Zung, Stantec

*\*Communicating Full Risk Insurance Rates in the Heartland.* Louie Greenwell, PRIME AE Group, Inc.

J7: Case Studies in Risk Communication

Moderator:

*Interagency Collaboration & Decision Support Services in the 2015 Meramec River Record Flood.* Jonathon Thornburg, NOAA, NWS

*New Technology Helps Citizens & Community Officials Before, During & After Flooding Events.* Susan Beth Wilhelm, Oklahoma Water Resources Board

*Communication Challenges: Historic Deber 2015 Floods in Southwest & Central Missouri.* Megan Terry, NOAA, NWS Springfield, MO

J8: Stormwater Modeling to Enable Better Local Decisions

**Moderator:**

*Programs, Projects, & Policies Creating Resiliency in Metro Phoenix, AZ.* Valerie Swick, Flood Control District of Maricopa County, AZ

*Community Benefits of Defining an Urban Overland Flowpath.* Glen Taffinder, City of Austin, TX

*Evaluating Release Rates for Specific Watersheds in Cook County, IL.* Amanda Flegel, Illinois State Water Survey

Draft Program 3.13.17