ASFPM 2019 Conference Team
May 19-23, 2019, Cleveland

Program Chair
Steve McMaster, CFM, Ideation, Inc.

Conference Team
Sarah Waller, Conference & Event Planner
Kevin Currie, Training Coordinator
Suzanne Gillingham, Accountant
Anita Larson, Certification Coordinator & Registration
Michele Mihalovich, Public Information Officer
Jason Scheeberger, IT Manager
Ingrid Wadsworth, CFM, Deputy Director

ASFP Staff
Chad Berginnis, CFM, Executive Director
Larry Larson, PE, CFM, Sr. Policy Advisor
Gigi Trebatoski, Chapter & Foundation Coordinator
Jim Dunham, Member Services
Nancy Dunham, Certification Assistant
Kami Valenzuela-Sanchez, Certification Assistant
Jennifer Niles, Web Developer

ASFP Flood Science Center
Drew Whitehair, CFM, Center Director
Bill Brown, PE, Program Manager
Haley Briel, Research Scientist
Melissa Haig, MLS, Research Librarian
Jason Hochschild, GIS & Research Analyst
Alan Lulloff, PE, CFM, Chief Scientist
Jeff Stone, GISP, CFM, Senior Project Manager
Dave Fowler, CFM, Project Manager
Beth Klusinske, Research Specialist

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The Conference Program

17...............................Sunday
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23...............................Tuesday
38...............................Wednesday
52...............................Thursday
Center Spread........................Floor Plan

$ Indicates a fee-based workshop or tour offered a la carte.

Local Host Team
Alicia Silverio, CFM, Co-chair
Shawn Arden, PE, CFM, Co-chair

Additional Team Members: Mark Seidelmann, PE, GISP, CFM; Julie Lawson, PE, CFM; Jim Decker, PE, CFM; Kari Mackenbach, CFM; Jerry Brems, CFM; Chris Rybak, PE, CFM; Chad Boyer, PE, CFM; Duane Matlack, CBO, CFM; George Hadden, PE, PS, CFM; Catrina Covino, CFM; Jason Farrell, CFM; Katherine Goeppner, CFM; Todd Richard, CFM; Matt Whitehead
WELCOME!

Welcome to the 43rd annual conference of the Association of State Floodplain Managers. We are glad that you could join us in Cleveland. This pocket guide will help you get the most of out your week so be sure to keep it close at hand. Your name badge is your admission and must be worn all week. If you have questions, see ASFPM staff at the registration desk or ask one of the local host volunteers – they will be wearing volunteer shirts while on duty. Please enjoy your week as you dive into the most comprehensive floodplain management training & networking opportunity in the country!

Registration Desk
Exhibit Level
The registration desk is located on the Exhibit Level of the Huntington Convention Center outside Exhibit Hall C. It will be open to serve you 10-5:30 Sunday, 7-5 Monday-Thursday.

Speaker Prep Lounge
Conference Program Coordinator Steve McMaster, AV Coordinator Jason Schneeberger and their volunteers will be available to assist you with program and AV concerns throughout the week. Speakers may practice their presentations here and get them queued up for their session. The Speaker Prep Lounge will be open 7:30 am to 5:00 pm, Monday through Thursday.

Local Host / Volunteer HQ
Exhibit Level
The local host team, consisting of OFMA members and floodplain managers from throughout Ohio will take residence near registration. This is also where you can purchase your memorabilia and sign up for the 5K race.

First Timers Orientation will be held Sunday at 3:00pm and 5:00pm, Monday at 10:00am and 3:00pm and Tuesday at 10:00am. New attendees should plan to attend one of these 15-minute sessions to help you get the most out of the week. Meets near registration desk.

Meeting Room Assignments
Most conference activities will take place at the Huntington Convention Center of Cleveland. The location of each session is listed to the right of the event name.

Technical Tour Departure Point
Bus
Bus loading area is located in front of the Huntington Convention Center main entrance on Lakeside Avenue.
Creating Resiliency and Sustainability for a Changing World

We Make a Difference

Water Resources
Community Planning
Geospatial and LiDAR
Program Management
Hazard Mitigation
Transportation Services
Architecture

Michael Baker International

Leaders in the development and implementation of fully integrated water resources solutions

Find out more about Jacobs on booth 511/513
jacobs.com/what-if

Stormwater Management
Flood Risk and Mitigation
Stream Restoration and Stabilization

Proud Supporter of the ASFPM Foundation

moffatt & nichol
Creative People, Practical Solutions

Speakers:

Jeff Crump
Session 03, Wednesday 10:30 a.m.

Mike Robinson
Session 03, Thursday 10:30 a.m.

Allison Bryan
Session H5, Thursday 2:00 p.m.

Visit Booth 600/602 to enter your business card for the M&N raffle!
Dewberry
A nationally ranked firm with a community-based practice
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Serving Texas, Oklahoma, Louisiana, Arkansas, and now, Florida.

MEMBER OF COMPASS PTS JV

Leading with Science®
Our unique capabilities in disaster preparedness, disaster response, and flood infrastructure design establish Tetra Tech as a unique provider of emergency management and community resilience services.
tetratech.com
AECOM is proud to support the 2019 Association of State Floodplain Managers’ Annual National Conference.

aecom.com

Visit us at Booth #311

Building resilience by connecting the dots

To learn more, visit us at booth 611/613.
Be sure to visit the ASFPM Foundation booth at the front of the Exhibit Hall and meet our special guests:

- Meet Jesus Mulgado, our first Future Leaders Scholar, and learn about his academic journey to become a future FPM leader
- Learn about the Rocky Mountain Environmental Challenge and meet one of the winning team members from Estes Park Middle School
- Speak with Student Paper Competition semi-finalists about their entries

Place your bid at the Foundation Silent Auction where all proceeds will help fund the Future Leaders Scholarship.

Donations gratefully accepted: www.asfpmfoundation.org/give-now
Titanium

Michael Baker International

AECOM

FEMA

Platinum

Stantec

FM Approvals

ATKINS

TETRA TECH
### Our Sponsors

#### Gold
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- IBM

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- ESP
- Floodproofing.com
- ESP Associates, P.A.
- FloodBarrier America
Our Sponsors

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F
Molly O'Toole Associates Ltd.

Sunday, May 19

10:00-5:30 Registration Desk Hours
7:00-8:00 ASFPM Board Member Breakfast (Invitation Only)
8:00-12:30 ASFPM Board Meeting
12:30-2:00 ASFPM Board & Committee Co-Chairs Luncheon (Invitation Only)
2:00-5:30 ASFPM Committee Chairs Mtg. (Invitation Only)
9:00-5:00 TRAINING WORKSHOP ($)
Floodplain Mgmt. 101 ($80)
Instructors: Jennifer Marcy, CFM, Atkins; Heidi M. Carlin, CFM, AECOM; and Shanna Michael, CFM, Atkins
1:00-3:00 The Flood Risk Communication Toolkit for Community Officials ($45)
Instructors: Priscilla Scruggs, FEMA and Michelle Madeley, FEMA
1:00-5:00 Reducing Flood Risk Through Nonstructural Floodproofing ($45)
Sunday, May 19

1:00-5:00  Cooperating Technical Partners

Boot Camp-Improving Resilience ($45)
Instructors: Laura Algeo, PE, FEMA; Necolle Maccherone, CFM, Michael Baker International; and Marc Pearson, GISP, CFM, Stantec

3:00-3:15  First Timers Orientation

5:00-5:15  First Timers Orientation

5:30-7:00  State Floodplain Mgrs./Hazard Mitigation Officers, & ASFPM Board Directors Meet & Greet (Invitation Only)

7:00-10:00 Welcome Fest
Hosted by: OFMA and Local / Chapter Sponsors. For those about to rock! Start off the conference by reconnecting with friends at the Welcome Fest. Live music, food and beverages will be provided. Wear your favorite concert t-shirt for a chance at prizes. ATTENDEE & GUEST NAME BADGES MUST BE PRESENTED FOR ADMISSION.

Monday, May 20

Day 1: Monday, May 20

7:00-5:00  Registration Desk Hours

7:30-5:00  Speaker Prep Lounge Hours

8:00-12:00 TRAINING WORKSHOPS ($)

8:00-Noon Hands-On HEC-RAS 2D Workshop ($45)
Instructors: Garret Johnston, PE, GISP, CFM, Freese and Nichols and Jeremy Dixon, PE, CFM, Freese and Nichols

8:00-Noon Watershed Modeling with the USACE ERDC GSSHA and WMS Models ($45)
Instructor: Charles Downer, PhD, PE, PMP, USACE, ERDC

8:00-Noon Flood Insurance for Floodplain Managers ($45)
Instructor: Bruce Bender, CFM, Bender Consulting Services

8:00-Noon How Mitigation Reduces Insurance Rates & Improves Resiliency ($45)
Instructors: Becca Fricke-Croft, CFM, Atkins and Janet Thigpen, CFM, Southern Tier Central Regional Planning and Development Board
### Monday, May 20

National Policy Discussions and Regional Discussion Sessions are included in your registration. Complete descriptions can be found on the online program.

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>8:00-9:00</td>
<td><strong>NATIONAL POLICY DISCUSSIONS</strong> General Policy Issues Overview &amp; Legislative Update</td>
<td>25 AB</td>
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<td>9:00-9:30</td>
<td><strong>BREAK</strong></td>
<td>Exhibit Level</td>
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<td>9:30-11:45</td>
<td><strong>NATIONAL POLICY DISCUSSIONS</strong></td>
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<td>International Policy</td>
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<td>Floodplain Regulations</td>
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<td>Map. &amp; Eng. Standards</td>
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<td>Mitigation</td>
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<td>Professional Development</td>
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<td>Risk Communication &amp; Outreach</td>
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<td>10:00-10:15</td>
<td><strong>First Timers Orientation</strong></td>
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<td>Noon-1:00</td>
<td>Lunch on your own (on-site concessions will be available near registration)</td>
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<tr>
<td>Noon-1:00</td>
<td><strong>REGIONAL DISCUSSION SESSIONS</strong></td>
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<td>Hosted by your elected Regional Directors (organized by FEMA regions).</td>
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<td>Region 10</td>
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<td>1:00-5:00</td>
<td><strong>TECHNICAL TOUR ($)</strong></td>
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<td>The Hazard Mitigation &amp; Resilience Tour ($45)</td>
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<tr>
<td>1:00-3:00</td>
<td><strong>TRAINING WORKSHOPS ($)</strong></td>
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<td>FEMA P-348, Protecting Building Utility Systems from Floods ($45)</td>
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<td><strong>Instructors:</strong> Daniel Bass, RA, CFM, FEMA</td>
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<td>and John Squerciati, PE, CFM, STARR/Dewberry</td>
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<td>1:00-5:00</td>
<td><strong>The Road to CRS Class One—The Tulsa Story ($45)</strong></td>
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<td><strong>Instructors:</strong> Bill Robison, PE, CFM, Robison Consulting Service, Inc. and David Arkens, CFM, Insurance Svcs. Office, Inc.</td>
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<td>1:15-3:30</td>
<td><strong>NATIONAL POLICY DISCUSSIONS</strong></td>
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<td>Coastal Issues</td>
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<td>Flood Insurance</td>
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<td>Higher Education</td>
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<td>Stormwater Mgmt., No Adverse Impact, Natural &amp; Beneficial Functions</td>
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<td>Nonstructural Floodproofing</td>
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<td>Arid Regions</td>
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<td>3:00-3:15</td>
<td><strong>First Timers Orientation</strong></td>
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<td>3:00-5:00</td>
<td><strong>CTP Conversation</strong></td>
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<td>3:30-4:00</td>
<td><strong>BREAK</strong></td>
<td>Exhibit Level</td>
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<tr>
<td>4:00-5:00</td>
<td><strong>ASPFM Members Meeting</strong></td>
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<td>4:00-7:00</td>
<td><strong>CFM Exam</strong> (pre-registration required)</td>
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### Monday, May 20

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<tr>
<th>Time</th>
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| 5:00-7:00 | Exhibits Grand Opening/ Social  
Sponsored by: FM Approvals |
| 5:00-7:00 | Silent Auction  
17th annual fundraising activity  
sponsored by the ASFPM Foundation. All proceeds for this year’s auction will go to the Future Leaders Scholarship fund. |
| 7:00…. | Dinner on your own, enjoy Cleveland! |

### Tuesday, May 21

#### Day 2: Tuesday, May 21

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 7:00-7:00 | Exhibits Hall Hours  
Registration Desk |
| 7:00-5:00 | Registration Desk  
Speaker Prep Lounge |
| 7:30-5:00 | Continental Breakfast  
Silent Auction |
| 8:30-10:00 | PLENARY SESSION  
Welcome Address: Chad Berginnis, CFM, ASFPM Executive Director; Maria Cox Lamm, CFM, ASFPM Chair, SC DNR  
**Building Resilience**  
1. Engineering with Nature for Resilience and Value Creation. Todd Bridges, Ph.D., Senior Research Scientist, Environmental Science, U.S. Army Engineer Research and Development Center, USACE  
3. Mark Osler, Senior Advisor for Coastal Inundation and Resilience Science and Services, NOAA  
Moderator: Maria Cox Lamm, CFM, ASFPM Chair, SC DNR |
| 10:00-10:15 | First Timers Orientation  
Registration Desk |
| 10:00-10:30 | Break, Exhibits, Silent Auction  
Exhibits Hall C |
CONCURRENT SESSION A

A1  Flood Risk Communication After Wildfires
Moderator: Ellen Berggren, PMP, CFM, USACE Institute for Water Resources
#FloodAfterFire – An Analysis on Improving Modern Community Engagement and Communications.
Francie Israeli, Resilience Action Partners
Burn Scars as Building Blocks: Lessons Learned From Flood-After-Fire Risk Communications.
Eugene Kinerney, DHS/FEMA/FIMA/ Federal Insurance Directorate
Building Community Resilience Through Effective Risk Communication.
Lawrence Frank, CFM, Atkins

A2  Social Justice Factors in Floodplain Management
Moderator: Robyn Fennig, CFM, Wisconsin Emergency Management
Jo Ann Howard, H2O Partners
Socioeconomic Factors Affecting Coastal Communities’ Participation in CRS.
Alexis Cunningham, CSO & ASFPM,
Equity & Social Justice: What King County, Washington is Doing to Manage Floodplains More Equitably.
Mitch Paine, CFM, King County

A3  Coastal Resilience Planning and Projects
Moderator: Dan Tomczak, CFM, Jacobs
Ridge to Reef and Beyond – the Challenges and Opportunities of Hazard Mitigation in the U.S. Virgin Islands.
Colin Vissering, AICP, CFM, Witt O'Brien's
Evaluating the Vulnerability of Infrastructure to Coastal Storms - A Case Study.
Michael Vecchio, PE, HDR
Innovative Coastal Flood Resiliency in Urban Environment: Red Hook Integrated Flood Protection System in NYC.
Rahul Parab, PE, D.WRE, CFM, Dewberry

A4  State Mapping Initiatives
Moderator: Whit Montague, CFM, Arkansas Natural Resources Commission
Floodplain mapping without (largely) FEMA – the Indiana Floodplain Mapping project.
David Knipe, P.E., CFM, Indiana DNR
The Maryland Resiliency Partnership: State Collaboration takes Risk MAP to New Levels.
Dave Guignet, Maryland Department of the Environment
New Vermont Mapping, Regulation, and Training to Enhance Floodplain Protection.
Rob Evans, CFM, VT Dept. of Environmental Conservation

A5  When Hurricanes (In)Validate Models
Moderator: Ed Capone, EIT, CFM, NWS Norton/Boston Northeast River Forecast Center

FEMA/Corps Levee Safety Session
Moderator: Tammy Conforti, PE, CFM, USACE The Levee Safety Reunion Tour: Bringing the Band Back Together. Tammy Conforti, PE, CFM, USACE and Suzanne Vermeer, PE, CFM, FEMA

Local Stream Restoration Case Studies
Moderator: Kristin Owen, AICP, CFM, Virginia Department of Conservation & Recreation West Water Run Stream Restoration and Flood Mitigation Project. Miles Hebert, PE, LEED Green Associate, CFM, EMH&T Reducing Flood Risk by Restoring Natural Processes: The Sidney Greenplain Project. James Woidt, PE, Shumaker Consulting Engineering and Land Surveying, DPC. Incorporating Natural Floodplain Functions into Mitigation. Panelists: Eileen Shader, CFM, American Rivers; Mike Kline, Vermont Rivers Program; Dave Fowler.

ASFP Foundation Luncheon
Moderator: Doug Plasencia, PE, CFM, ASFP Foundation President, Moffatt & Nichol

Come to learn about some of the activities your donations to ASFP Foundation have supported during the past year, including the Future Leader Scholarship, the Student Paper Competition and the Rocky Mountain Environmental Challenge.

TECHNICAL TOUR ($) Bus Rockin’ Projects in Euclid Creek ($45)

TRAINING WORKSHOPS ($)
State Floodplain Manager 1 on 1 Mentoring Workshop Instructors: Al Goodman, CFM, AWG Consulting, LLC; Bill Nechamen, CFM, Nechamen Consulting, LLC
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<thead>
<tr>
<th>Time</th>
<th>Session A</th>
<th>Session B</th>
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<tbody>
<tr>
<td>1:30-5:30</td>
<td>New FEMA P-784, Substantial Damage Estimator Version 3.0 ($45)</td>
<td>Incorporating Natural Floodplain Functions into Mitigation ($45)</td>
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<td>Instructors: Jennie Peffer, AECOM and Aaron Rupp, PMP, CSM, AECOM</td>
<td>Instructors: Eileen Shader, CFM, American Rivers; Mike Kline, Vermont DEC Watershed Management Division; and Dave Fowler, DCL, CFM, ASFPM</td>
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<td>1:30-5:30</td>
<td>ASFPM Chapter Meeting</td>
<td>FEMA Hazard Mitigation Grants and Policy</td>
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<td>1:45-3:15</td>
<td>Research Findings and Risk Communication</td>
<td>B3 FEMA Hazard Mitigation Grants and Policy</td>
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<td>Moderator: Jeremias Alvarez, PMP, CSM, CCMP, Guidehouse</td>
<td>Moderator: Katie Sommers, CFM, Wisconsin Emergency Management</td>
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<td>1:45-3:15</td>
<td>CONCURRENT SESSION B</td>
<td>CTP Showcase</td>
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<td>B2 Holistic/Watershed Floodplain Management</td>
<td>Moderator: Maribel Marquez, PE, PMP, CFM, ESP Associates</td>
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</table>
Leveraging Technical Assistance to Enhance Local Awareness and Mitigation Through Risk MAP. Tom Morey, RS, CFM, Stantec

Flood Risk CHAMPions. Rigel Rucker, PE, CFM, AECOM

Lessons from the Field, CTP Program Project Management Best Practices. Laura Algeo, PE, FEMA HQ

B5 Identifying and Mitigating Building-Specific Risk
Moderator: Jeff Sparrow, PE, CFM, Moffatt & Nichol
Floodplain Buyout Program Prioritization Using Community-wide Watershed Models. Stephen Sands, PE, CFM, Hazen and Sawyer,
The Nuts & Bolts of Probabilistic Modeling (and why it’s awesome). Geoff Uhlemann, PE, CFM, AECOM
Incorporating Uncertainty of First Floor Elevations into Flood Risk Assessment Modeling. Shane Parson, PhD, PE, CFM, AECOM

B6 Stormwater Management at the Watershed Level
Moderator: Joe Walter, PE, Atkins
Evaluating and Selecting Release Rates for Specific Watersheds in Cook County. Amanda Regel, PE, CFM, Illinois State Water Survey
Stormwater Management: A Regional Approach. Janet Popieliski, PE, Northeast Ohio Regional Sewer District

Stormwater Master Plan Solutions: Stream Flooding/Erosion Mitigation in the Cuyahoga River Watershed.
John Aldrich, PE, D.WRE, CDM Smith

B7 Post-Disaster Tech
Moderator: Michael Grasso, CFM, CDM Smith
Rapid Deployment of Small Unmanned Aerial System (sUAS) for Post-Hurricane Disaster Assessment. Victor Acosta, T&M Associates (Compass JV)

B8 AECOM Showcase:
On the Main Stage: Big Base Level Engineering Data: Big Opportunities, Big Benefits, Big Challenges
Moderators: Lillian Robison, CFM, PMP, AECOM and Doug Bellomo, PE, AECOM
Panelists: Jennifer Moss, CFM, AECOM
Alicia Silverio, CFM, Ohio Department of Natural Resources
Michael Taylor, PE, CFM, PMP, AECOM
Aaron Carranza, PE, CFM, North Dakota State Water Commission
Brandon Banks, GISP, AECOM
### Tuesday, May 21

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<tr>
<th>Time</th>
<th>Session/Event</th>
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<tr>
<td>3:15-3:45</td>
<td>Break, Exhibits, Silent Auction</td>
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<tr>
<td>3:45-5:15</td>
<td>9th Annual ASFPM Foundation Student Paper Competition</td>
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<td>Judges: ASFPM Foundation Trustees</td>
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<td>“Disaster Exposure and Migration: The Impact of Major and Minor Flood Events on Population Loss,” Nora Louise Schwaller and Jordan Branham, University of North Carolina, Chapel Hill.</td>
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<td>3:45-5:15</td>
<td><strong>CONCURRENT SESSION C</strong></td>
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<td>C1</td>
<td>Flood Risk Disclosure: Intersection of Regulations and Risk Communication</td>
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<td>Moderator: Samantha Medlock, CFM, Willis Towers Watson</td>
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<td>Improving Disclosure Laws so Home Buyers are Not Kept in the Dark about Flood Risk. Joel Scata, Esq, Natural Resources Defense Council</td>
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<td>Engaging Real Estate Agents in Flood Risk Communication. Lisa Foster, CFM, Pinellas County</td>
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<td>Dam Ownership Risks and Burdens: Raising Public Awareness through Educating Real Estate Agents. Kent Wilkins, CFM, OWRB</td>
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<td>C2</td>
<td>CRS: National and State Perspectives</td>
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<td>Moderator: Vikram Shrivastava, PE, PMP, D.WRE, CFM, Atkins</td>
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<td>Community Rating System Update: Plain and Simple! Bill Lesser, CFM, FEMA</td>
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<td>How State Assistance with GIS Helps Communities Say ‘Yes’ to CRS. Martin Koch, CFM, Kansas Dept. of Agriculture - Division of Water Resources</td>
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<td>One Dose of DMA and Two Doses of CRS: A “Cure” for a Successful Hazard Mitigation Plan. David Stroud, CFM, Wood</td>
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<td>C3</td>
<td>Professional Research on Hazard Mitigation Policy</td>
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<td>Moderator: Mike Pavlides, F.SAME, CFM</td>
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<td>Flood Mitigation and Sea Level Rise Adaptation Driven by Municipal Credit Rating. John Miller, P.E., CFM, CSM, DHS-FEMA</td>
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<td>Pluvial Flood Risk. Jeffrey Czajkowski, PhD, Wharton Risk Management and Decision Processes Center</td>
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<td>Profiles in Flood Mitigation: Overcoming Barriers to Designing and Implementing Effective Policies. Evan Chapman, The Pew Charitable Trusts</td>
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<td>C4</td>
<td>Mapping Urban Flood Risk</td>
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<td>Moderator: Jacob Tysz, CFM, Atkins</td>
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<td>Who’ll Map the Rain? Capturing Pluvial Flood Risk. Siamak Esfandiary, Ph.D., P.E., FEMA</td>
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<td>Equity and Resilience in Urban Flooding: The Elephant in the Room. Elise Ibendahl,</td>
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Tuesday, May 21

PE, CFM, ENV SP, Jacobs Engineering
Flooding Outside the Lines: Applying TWI to the Problem of Urban Flooding. Kingsley Allan, GISF, CFM, Univ. of IL / Illinois State Water Survey

C5 Creative Methods for Real-Time Forecasting
Moderator: Mathew Hornack, PE, CFM, ESP Associates Resources Engineering, LLC
Adapting National Water Model Forecast Data to Local Hyper-Resolution H&H Models. Peter Singhofen, PE, Streamline Technologies, Inc.
"Hurry"cane Modeling: Forecast Modeling to Optimize Limited Resources with Limited Time. Ed Dickson, PE, CFM, Freese and Nichols, Inc.

C6 Mapping Dam and Levee Risk
Moderator: Bo Juza, PhD, CFM, Aquatrend, LLC
Reaching Milestones in Mapping Non-accredited Levees. Michael Seering, PE, CFM, PMP, AECOM
Uses of DSS-WISE to support Risk Map: Tips, Tricks and Tools for Rapid Inundation Risk Modeling. Tiffany Coleman, PE, CFM, STARR II (Stantec)
A GIS-Based Tool to Prioritize FEMA Levee

C7 Lessons Learned for Substantial Damage Determinations
Moderator: Shannon Riess, CFM, Florida Division of Emergency Management
Substantially Damaged...Again. Dan Brubaker, PE, CFM, NC Dept of Public Safety
Substantial Damage: the Good, the Bad, and the Ugly. Jessica Artz, CFM, SC DNR
Answers to Questions about Substantial Damage in the Post-Disaster Environment. John Ingargiola, EI, CBO, CFM, FEMA HQ Building Science

C8 FEMA Showcase
Moderator: Eric Letvin, PE, Esq.
NFIP/Endangered Species Act Update. Bret Gates
DRRA Update. Kayed I. Lakhia, AIA, NCARB, LEED AP, CFM
State Assessment Notifications. Adrienne Sheldon, PE, CFM
Building Science Update. Dan Bass, AIA
Building Science Update. John Ingargiola, PE, CFM

5:15-7:00 Exhibits Social, Silent Auction
Sponsored by: STARR II
7:00- Dinner on your own – enjoy Cleveland!
### Wednesday, May 21

**Day 3: Wednesday, May 22**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tr>
<td>7:00-3:30</td>
<td>Exhibit Hall</td>
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<td>7:00-5:00</td>
<td>Registration Desk</td>
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<td>7:30-5:00</td>
<td>Speaker Prep Lounge</td>
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<td>7:45-8:30</td>
<td>Continental Breakfast</td>
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<td>7:00-10:00</td>
<td>7th Annual Running of the Chapters 5K Run/Walk</td>
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<td>8:30-10:00</td>
<td>PLENARY SESSION</td>
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| 8:30-10:00 | National Flood Insurance Program: Reauthorization and Implementation Issues. Panel Members:  
1. Austin Perez, Senior Policy Representative, National Association of REALTORS® (NAR)  
2. Susan Asmus, Senior Vice President of Regulatory Affairs, National Association of Home Builders (NAHB)  
3. Rob Moore, Director, Water & Climate Team, Natural Resources Defense Council (NRDC)  
4. David Maurstad, Deputy Associate Administrator for Insurance and Mitigation; Chief Executive of the NFIP, FEMA  
**Moderator:** Chad Berginnis, CFM, ASFPM Executive Director |
| 10:00-10:30| Break, Exhibits, Silent Auction            |
| 10:00-10:30| FINAL Silent Auction Bids at 10:30am!       |

### Wednesday, May 22

**D1** Innovations and Technology in Risk Communication  
**Moderator:** Jamelyn Austin Trucks, CGM, CFM, Atkins  
**Next Generation Information and Communication Systems for Flooding.** Ibrahim Demir, PhD, University of Iowa  
**Making Mitigation Mainstream.** Peter Herrick, Jr., FEMA (HQ)  
**The Observed Flood Extent: Using Multispectral Satellite Imagery to Detect and Map Historical Flood Events.** Catherine Ipsan, Radiant Solutions

**D2** Flood Insurance Rating  
**Moderator:** Bruce Bender, CFM, Bender Consulting Services, Inc.  
**Risk Rating Redesign: Progress to Date and Next Steps.** Andy Neal, FSA, FEMA/FIMA  
**National Flood Insurance Program Pricing.** Phillip Dunn, ANFI, National Flood Services  

**D3** Risk Assessments to Transportation Infrastructure Resilience  
**Moderator:** Randall Behm, PE, CFM, Behm Hazard Mitigation, LLC  
**How Critical is Access to Key Facilities in a Flood Event?** Janey Camp, PhD, PE,
Wednesday, May 22

GISP, CFM, Vanderbilt University
*Measuring Transportation Infrastructure Resilience: A Case Study with Amtrak.* Gina Tonn, PhD, PE, CFM, Delaware Department of Natural Resources and Environmental Control
*Assessing the Vulnerability of Transportation Infrastructure to Climate Stressors in San Diego, California.* Jeffery Crump, PE, Moffatt & Nichol

D4
*Mapping Issues with Sea Level Rise and Coastal Erosion* 19
Moderator: Doug Marcy, NOAA Office for Coastal Management
*30-Years of FEMA Sea Level Rise Studies and Future Focus Areas.* Brian Batten, PhD, CFM, Dewberry
*Great Lakes Coastal Flood Hazard Studies Are More Than Meets the Eye.* Ken Hinterlong, FEMA Region V
*Modernizing Coastal Erosion and the Primary Frontal Dune.* Christina Lindemer, FEMA

D5
*Modeling for Local Flood Risk Planning* 20
Moderator: Ben Pylant, PE, CFM, Halff Associates
*Lisbon Flooding Problematics - Proactive Decision-Making Supported by a Novel Integrated Numerical Modeling Approach.* Rodrigo Fernandes, PhD., MSc., Senior Consultant, Bentley Systems, International Limited
*Regional Flooding Challenges and*

D6
*Stormwater Asset Management Tools* 21
Moderator: Vince DiCamillo, PMP, CFM, Stantec
*An Urban Stream Manager’s Guide to Field-Based Master Planning.* George Remias, PE, NEORSD

10:30-Noon
*FEMA State Roundtable* BR
This FEMA/state roundtable discussion will focus on the continued transformation of the CAP-SSSE grant program and the new BRIC program. This event is only for state floodplain managers, state hazard mitigation officers and their staff.

Noon-1:30
*Open lunch* (on-site concessions available for purchase in exhibit hall)

12:20-1:30
*Lunch with CRS* 11

Approaches – City of Canfield Bradford-Briarcliff Flood Mitigation Study. Chad Boyer, PE, CFM, ms consultants, inc.
*Two-Dimensional Floodplain Modeling in Downtown Baltimore.* Sravan Krovidi, PE, CFM, Wood E&IS

An Urban Stream Manager’s Guide to Field-Based Master Planning. George Remias, PE, NEORSD
Again this year, the CRS will be hosting a “Lunch with CRS” at the ASFPM National Conference. NFIP State Coordinators and CRS State Coordinators, and CRS users group leaders, are invited to gather with members of the CRS Team from FEMA and ISO for a brown bag lunch (bring your own lunch). Community CRS Coordinators and floodplain managers are also invited to join the conversation.

12:30-1:30  Chapter Networking Lunch
Grab a lunch and bring it to this new event. ASFPM Chapter Directors representing all 5 chapter districts will be present to meet with chapters over lunch. This is a great opportunity to learn more about ASFPM’s plans to improve chapter benefits and to network with other chapters.

1:30-3:00  CONCURRENT SESSION E

E1  State and Local Risk
Communication Initiatives 1
Moderator: Ellen Berggren, PMP, CFM, USACE Institute for Water Resources
Denver FloodWalk: Visualizing Flood Risk in an Urban Park. Tony Mendes, CFM, FEMA
Letting it Flow: Sharing Local Stories that Inspire Personal Mitigation Action. Kate Skaggs, CFM, Resilience Action Partners (Baker)
Digital Outreach and Education for Rural Communities.

E2  Floodplain Management Policy and Regulations
Moderator: Steve Samuelson, CFM, Kansas Department of Agriculture
The BFEs Are(n’t) All Right: An Assessment of Elevation Certificates and Implications to the NFIP. Jennifer Marcy, CFM, Atkins
A Cumulative Standard for Substantial Improvement: Our Rocket to the Moon. Tom Leatherbee, MCP, AINS, CFM, City of Del City
Managing Urban Floodplains in Fort Worth, Texas. Clair Davis, PE, CFM, City of Fort Worth

E3  Mitigation through Better Building Performance
Moderator: Michelle Gonzales, CFM, Rostan Solutions, LLC
Evaluating your FPM building design and construction requirements in a post-disaster environment. Manuel Perotin, PE, CFM, CDM Smith
Building Performance and Outreach after the Recent Hurricanes. Daniel Bass, RA, CFM, FEMA HQ Building Science
Predicting Flood Damage using Probability Theory. William Coulbourn, Coulbourn Consulting
Wednesday, May 22

E4  FEMA Mapping Tools and Resources
Moderator: Jessica Baker, PE, CFM, PMP, Halff
FEMA Flood Map Tools for Floodplain Managers. Daniel Horner, CFM, CSM, NiyamIT.
Capturing Data Delivery on the FEMA GeoPlatform. Marshall Rivers, PMP, CFM, STARR II (Atkins)
Supporting Local Government through Advisory Products and GIS Analysis. Naomy Perez-Sanchez, Atkins, SNC Lavalin member

E5  2D Modeling for State Programs
Moderator: Alejandro Riano, PE, CFM, AECOM
Regulating 2D Models – Opportunities and Lessons Learned from CHAMP. Isaac Allen, EI, CFM, AECOM
The Future of BLE Data: How Louisiana is Using BLE Data to Supplement Their CTP Program. Jacob Lesue, PE, CFM, Dewberry
Moving Forward in Kentucky: Approaches to 2D Modeling and Risk MAP Integration. Tommy Arnspiger, AECOM

E6  Dam and Levee Systems
Management
Moderator: Onur Celik, PE, CFM, PMP, CDM Smith
Interfaces between Earthen Levees and Hard Structures: Understanding and

E7  Managing their Performance. Jonathan Simm, PhD, CEng, HR Wallingford
Dam Rehabilitation Grant Program - Incorporating mitigation and floodplain management to reduce risk. Edward Beadenkopf, PE, CFM, STARR II (Atkins)

E8  Restoring Natural and Beneficial Functions
Moderator: Sally Cook, CFM, Manatee County Building & Development Services (FL)
Healthy Wetlands, Healthy Watersheds: Leveraging state wetland restoration and protection programs to improve watershed health. Marla Stelk, Assoc. of State Wetland Managers
Restoring More Natural and Beneficial Functions of Floodplains. Brad Gordon, American Rivers
The Floodplain Explorer: Prioritizing Floodplain Restoration in the Mississippi River Basin. Kris Johnson, PhD, The Nature Conservancy

Sea Level Rise Adaptation
Moderator: Amy Carlson, PE, Jacobs
Retreating for Resilience: Legal and Policy Tools for Relocating Development from Floodplains. Katie Spidalieri, Attorney, Georgetown Climate Center
Adapting to Climate Change vs Traditional Flood Mitigation – What’s the Difference? Vince Geronimo, PE, CFM, Mead & Hunt


State Day - Mitigation  
Moderator: Jennifer Nelson, Minnesota Homeland Security and Emergency Management

Ready, Set, ASSESS! How to Conduct a Meaningful Risk Assessment with Limited Resources. Tom Hughes, CEM, Pennsylvania Emergency Management Agency

Community Technical Assistance: A Model for Mitigation Action. Tara Lanzrath, CFM, Kansas Department of Agriculture

Successfully Integrating Climate Adaptation into the Massachusetts Hazard Mitigation Plan. Joy Duperault, CFM, Massachusetts Dept. of Conservation & Recreation

3:00-3:30  Break, Final Exhibits Viewing  Exh

3:30-5:00  CONCURRENT SESSION F

F1 Local Flood Warning Systems  
Moderator: Sarah Jamison, NWS Forecast Office – Cleveland

Utilizing Technology, Partners, and Communication for Mitigating Flood Impacts. Mark Link, Northeast Ohio Regional Sewer District

North Central Texas Collaborates on Flood Warning: A Cooperative Success Story. Mia Brown, CFM, North Central Texas Council of Governments


F2 Guidance for Local Floodplain Administrators  
Moderator: Charla Marchuk, CFM, FEMA

Floodplain Forms: Floodplain Management Streamlined. Joshua Lippert, CFM, City of Philadelphia
<table>
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<th>F3</th>
<th>Wednesday, May 22</th>
<th>F5</th>
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</table>
| **Navigating the New EC: Understanding the Changes and Updates to the FEMA Elevation Certificate.** Del Schwalls, PE, CFM, Schwalls Consulting LLC  
**Floodplain Management within a 2D Floodplain/Floodway Special Flood Hazard Area.** Stephen Noe, Wood | **Modeling Waves and Coastal Erosion**  
Moderator: Lori Cary-Kothera, NOAA Office for Coastal Management  
**Wave Overtopping - A Key Piece in Predicting Coastal Flood Hazards.** Matt Shultz, PE, Woods Hole Group  
**Modeled Storm Impacts Validated: Lake Ontario Spring 2017 Flooding Event.** Jeff Gangai, CFM, Dewberry  
**Modeling and Mapping Applications for Wave Overtopping on the Great Lakes.** Rebecca Aiken, EIT, CFM, Stantec |
| **Floodproofing Successes**  
Moderator: Dan Clevidence, CFM, Ohio Emergency Management Agency  
**Dry-floodproofing: Recent Case Studies in NYC.** James P. Colgate, Esq., AIA, CFM, Bryan Cave Leighton Paisner LLP  
**Stories of Resilience: How Smart Companies Out-Smart Floods.** Jens-Uwe Thalheim, PhD, FM Global  
**Floodproofing Critical Infrastructure: the Tacoma Central Treatment Plant Flood Protection Project.** Tyler Jantzen, PE, Jacobs | |
| **F4**  
**Advances in Mapping**  
Moderator: Jacob Hoover, AICP, CFM, Ohio Emergency Management Agency  
**LOMA’s for the Masses – A quick guide to multiple LiDAR LOMAs.** Tim Benenati, CFM, AECOM  
**MAAPnext – A next step to Evolving Floodplain Mapping.** Ataul Hannan, PE, CFM, Harris County Flood Control District  
**Informing floodplain management and hazard communication through probabilistic flood inundation maps.** Tim Stephens, University of Georgia | **Local Holistic Stormwater Management Approaches**  
Moderator: Susan Cleverley, CFM, Idaho Office of Emergency Management  
**Using Regional Stormwater Solutions to Promote Quality Sustainable Development.** Tom Jacobs, PE, CFM, City of Lenexa, KS  
**7th Avenue Creek Flood Mitigation and Flood Reduction Master Plan: Developing a Plan to Meet Multiple Objectives and Funding Opportunities.** Ajay Jain, PE, CFM, HR Green, Inc.  
**Robbins, IL: Re-imagining Stormwater Investment.** Richard Fisher, PE, CFM, Metropolitan Water Reclamation District of Greater Chicago |
| **F6**  
**Local Holistic Stormwater Management Approaches**  
Moderator: Susan Cleverley, CFM, Idaho Office of Emergency Management  
**Using Regional Stormwater Solutions to Promote Quality Sustainable Development.** Tom Jacobs, PE, CFM, City of Lenexa, KS  
**7th Avenue Creek Flood Mitigation and Flood Reduction Master Plan: Developing a Plan to Meet Multiple Objectives and Funding Opportunities.** Ajay Jain, PE, CFM, HR Green, Inc.  
**Robbins, IL: Re-imagining Stormwater Investment.** Richard Fisher, PE, CFM, Metropolitan Water Reclamation District of Greater Chicago | **F7**  
**Post-Disaster Responses to Recent Events**  
Moderator: Erin Mack Ashley, PhD, LEED AP, Atkins |
Wednesday, May 22

Emergency Home Repairs Virgin Islands – Creating the Program Identity to Achieve Success. Ann Terranova, CFM, AECOM
Implementation of Hazard Mitigation under the Sector-Based Approach in Puerto Rico. Devin Schultze, EIT, CFM, CDM Smith
Positioning Mitigation Success in Puerto Rico Post-Maria. Andrew Martin, FEMA Region II

F8 Coastal Decision Support Tools 23
Moderator: Claire Jubb, AICP, CFM, Charlotte County Community Development (FL)
Coastal Barrier Resources System Tools and Data Updates from the USFWS. Dana Wright, U.S. Fish and Wildlife Service
Adapting Stormwater Management for Coastal Floods. Douglas Marcy, NOAA Office for Coastal Management
Community Involvement with the Monitoring of Water Levels and King Tide Events. Daniel Tomczak, CFM, Jacobs Engineering Group

F9 State Day - NFIP 12
Moderator: Sue Baker, CFM, Maine Dept. of Agriculture, Conservation & Forestry
SCORE CAVs - A New Strategy on Building Regional and Statewide Flood Resiliency. Shannon Riess, State Floodplain Management Office, Program Manager
First Steps to Correcting Violations. Steve Samuelson, CFM, KS Dept. Agriculture
The EMAC Solution to Floodplain

Recovery. Traci Sears, CFM, State of Montana
5:30-7:30 ASFPF Foundation Donor 25AB
Appreciation Reception & Live Auction (Ticket required)
Foundation donors have received invitations with tickets to this event. Tickets for this event are available for purchase at $125 each at the ASFPF Foundation Silent Auction tables in the Exhibit Hall.

5:00…. Dinner on your own, enjoy Cleveland!
Day 4: Thursday, May 23

7:00-5:00  Registration Desk Hours
7:30-5:00  Speaker Prep Lounge Hours
7:45-8:30  Continental Breakfast
8:00-2:00  Silent Auction Pickup

8:30-10:00  PLENARY SESSION
1. Ohio Mitigation Success Stories. Steve Ferryman, CFM, State Hazard Mitigation Officer, Ohio Emergency Management Agency
2. A Successful Substantial Damage Program 4 Years in the Making. Maria Cox Lamm, CFM, ASFPM Chair, South Carolina DNR
3. New Partnerships in the Floodplain Make It Work. Skip Stiles, Executive Director, Wetlands Watch
Moderator: Tim Trautman, PE, CFM, Program Manager, Mecklenburg Cnty., NC

10:00-10:30  Break

10:30-Noon  CONCURRENT SESSION G

G1  Communication During a Crisis
Jo Ann Howard, H2O Partners
Communicating Flood Risk during Hurricane Florence in Eastern North Carolina. Belkys Melendez, National Weather Service

G2  Local CRS Successes
Moderator: Josh Overmyer, CFM, Charlotte County Community Development (FL)
Success with CRS: Lessons from Class 2 Communities. Dennis Dixon, CFM, Pierce County (WA)
Class 5 CRS Community – It Can be Done. Maggie Talley, CFM, Jefferson Parish

G3  Hazard Mitigation and Resilience Planning
Moderator: Darrin Punchard, AICP, CFM, Punchard Consulting
David, Meet Goliath: How Small Communities are Facing Down Big Flood Issues. Mike Robinson, CFM, Moffatt & Nichol
Integrating Natural and Nature-based Infrastructure into Hazard Mitigation Plans: Creating Resilient and Sustainable Communities. William "Drew" Parker, CFM, GIS, USEPA
A Resilient Rancheria: Using Hazard Mitigation Plans to Centralize Information

NC FIMAN: Hurricane Florence Success Stories and Future Vision. Dan Brubaker, PE, CFM, NC Dept of Public Safety
for Funding. Caroline Cunningham, AICP, ABCP, CFM, Stantec

G4 Predictive Inundation Mapping
Moderator: Bunny Bishop, CFM, Nevada Division of Water Resources
Advanced Forecasting and Mapping of Catastrophic Flood Inundation in South Carolina. Maria Cox Lamm, CFM, South Carolina DNR
Leverage it! Part 1: Models, Gages, and Topo... Forecasting Flood Damage. Kimberley Pirri, PE, CFM, AECOM

G5 Leveraging Existing Data for Large Scale Modeling
Moderator: Elise Ibendahl, PE, ENV SP, CFM, Jacobs
Delivering Large Scale 2D Base Level Engineering Products in South Dakota. Amanda Banks, PE, PMP, AECOM
Enhancing Large-Scale 2D Hydraulic Models to Refined Local 2D Models with Floodways. Eli Gruber, PE, CDM Smith
Base Level Engineering: 2D Methods from the Mountains to the Plains. Chris Ide, PE, CFM, Wood

G6 Complex Levee Projects
Moderator: Diana Castro, PE, CFM, Atkins
The Levee Vortex: Reaching Escape Velocity, Finally...Or Did We? Lalit Jha, PE, D.WRE, CFM, JEO Consulting Group
The Intersection of Roads and Levees: Challenges of Managing Dual Infrastructure. Vicki Twerdochlib, PE, CFM, HDR
The Cannon Drive Levee: Flood Protection at The Ohio State University. Shawn Arden, PE, CFM, EMH&T

G7 Sensors and Blockchain Applications in Floodplain Management
Moderator: Adam Lucas, PMP, CSM, Guidehouse
Enhanced Floodplain Management through the use of Widely Distributed Flood Sensor Networks. Ben Schreib, AECOM
Improving Dam Safety with Smart City Sensors. Patrick Heck, CSM, Guidehouse
Improving Flood Insurance Compliance, Monitoring, Claims Processing, and Risk Assessments using Blockchain Technology. Kerry Keys, Guidehouse

G8 Urban Flooding Mitigation Success
Moderator: Phetmano Phannavong, PE, CFM, Atkins
Preparing for the New Normal and Challenging the Process for Integrated and Large Scale Solutions for Mitigation. Jamelyn Austin Trucks, CFM, CGM, Atkins
56th & Morton – Lincoln, NE - Flood Mitigation Takes Time, Money, and...

Noon-1:45  ASFPM National Awards Luncheon  BR
....and invitation to the ASFPM 2020 Conference in Fort Worth, Texas June 7-11, hosted by the Texas Floodplain Management Association Sponsoring by: Guidehouse

1:00-5:00  TECHNICAL TOUR ($)  Bus
Green Infrastructure Gig ($45)

2:00-4:00  TRAINING WORKSHOPS ($)
Resilience Scorecard: How to Evaluate Networks of Plans ($45)
Instructors: Jaimie Masterson, AICP, Institute for Sustainable Communities/Texas A&M and Justin Kates, CEM, City of Nashua, NH

LOMR/CLOMR Process Best Practices for a Successful Submittal ($45)
Instructors: Daven Patel, PE, CFM and Alex Haptermariam, PE, CFM, STARR/Stantec

Building Coastal Resilience Through Capital Improvements Planning (FREE, pre-registration required)
Instructor: Haley Briel, MS, ASFPM

2:00-3:30  CONCURRENT SESSION H
H1  Partnerships in Risk Communication  13
Moderator: Steve Ferryman, CFM, Ohio Emergency Management Agency
The Together Project - Tiger Creek Nature Park: A New Paradigm. Kenneth Schwab, PE, CFM, City of Broken Arrow
Ohio Silver Jackets Flood Risk Management Success Projects. Ashley Stephens, CFM, USACE Huntington District
Sharing Leadership: Building Mitigation Coalitions that Do More than Just Talk. Jeffery Harvey, DEL, CEM, JH Consulting, LLC

H2  Flood Insurance: Uses, Changes, and Reports  14
Moderator: Kathy Holder, CFM, Utah Division of Emergency Management
Flood Insurance As a Tool Of Community Resiliency. Joe Rossi, CFM, ANFI, Massachusetts Coastal Coalition
Don’t Stop Believin’ - Believing in Change and our Commitment to Customers. Lloyd Hake, FEMA, Federal Insurance Directorate
Thursday, May 23

H3 Advice and Lessons Learned for Flood Elevation Projects
Moderator: Bill Nechamen, CFM, Nechamen Consulting

Home Elevation is the Most Viable Option of Flood Mitigation. Sean O’Leary, CFM, SJ Hauck Construction

Simplifying FMA Projects by Removing the Locality from the Contracts. Kimberley Tempesco, CFM, City of Virginia Beach

Elevating Historic Homes. Larry Moss, AIA

H4 CNMS Applications
Moderator: Patrick Heck, CSM, Guidehouse

Mapping the Unmapped: Where do we Start? Bradford Hartley Jr., GISG, CFM, Stantec Consulting Services, Inc.

CNMS for Coastal Risk Management, What communities need to know. Elena Drei-Horgan, PhD, CFM, AECOM

Submitting Flood Hazard Mapping Needs to FEMA and Tracking Flood Study Actions. Eliza Ledwell, CFM, IBM

H5 Modeling for Transportation Design and Mitigation
Moderator: Lori Rafferty, PE, CFM, Louisville Metropolitan Sewer District

Overcoming Barriers in the Use of 2D Hydraulic Modeling. Scott Hogan, PE, FHWA

Testing the Waters: How H&H and Drainage Drive the Texas Bullet Train. David Rivera, PhD, PE, CFM, Freese and Nichols, Inc.

Understanding Flood Resiliency in Princetown, North Carolina. Allison Bryan, Moffatt & Nichol

Stormwater BMPs on the Horizon
Moderator: Terry Medley, PE, Kansas Dept. of Agriculture

Nature-Based Solutions to Flooding, Drought, and Groundwater Decline. Bryan Hummel, EPA Region 4

Experiences with Erosion Control Applications across the United States. Stefano Rignanese, Maccaferrri Inc.

Green Stormwater Infrastructure for Increased Resiliency and Flood Risk Reduction. Kari Mackenbach, BCES, ENV SP, CFM, ms consultants

H6 CNMS Applications
Moderator: Patrick Heck, CSM, Guidehouse

Mapping the Unmapped: Where do we Start? Bradford Hartley Jr., GISG, CFM, Stantec Consulting Services, Inc.

CNMS for Coastal Risk Management, What communities need to know. Elena Drei-Horgan, PhD, CFM, AECOM

Submitting Flood Hazard Mapping Needs to FEMA and Tracking Flood Study Actions. Eliza Ledwell, CFM, IBM

H7 Natural and Beneficial Function Restoration and Floodplain Management
Moderator: Brian Caufield, PE, D.CE, CFM, CDM Smith

Targeted Stream Restoration. Ivan Valentic, ASLA, PLA, GPD Group

Case Studies of Floodplain and Stream Restoration Projects and their Potential Use for Flood Hazard Mitigation and Community Resilience. Rich Pfingsten, PWS, Stantec

Assessing floodplain function for more informed land use decision making. Stevie Adams, CFM, The Nature Conservancy
Thursday, May 23

**H8** Evaluating Complicated Hydrology
- Moderator: Mark Forest, PE, CFM, HDR
- Assessment of Uncertainty in Doppler Radar Estimated Precipitation. Valmir Bucaj, PhD, United States Military Academy at West Point
- Rethinking the Applicability of Current Flood Frequency Analysis for the 1% and 0.2% Events. Ted Cassidy, PE, PH, Dewberry

2:30-5:30 CFM Exam (pre-registration required)

3:30-4:00 Break

4:00-5:30 CONCURRENT SESSION J

**J1** State and Local Risk Communication Initiatives 2
- Moderator: Christopher Budd, PE, CFM, Atkins
- Comprehensive Floodplain Management and Mitigation Information at Your Fingertips. Patrick Dobbs, PE, Wood
- Blue Moon: Kentucky’s Contributions to FEMA’s Moonshots. Carey Johnson, Kentucky Division of Water
- A Tool to be “In The Know” Prior to Your Next Community Meeting. Daryl Rockfield, Jr., CFM, Missouri State Emergency Managment Agency

**J2** International Perspectives on Flood

**J3** Risk Assessments
- Moderator: Jake Gray, Tidal Basin Group
- OpenHaus: the Future of FEMA’s Hazus Loss Estimation Tool. Jesse Rozelle, GISP, FEMA HQ
- “Show Me” Statewide Hazard Mitigation Planning Utilizing Risk MAP Products: A Case Study for Success in Missouri. Alicia Williams, CFM, Wood E&IS
- Developing a Community Mitigation Program - Recipes for Success from Mecklenburg County. Katie Hermann, GISP, CFM, ESP Associates

**J4** Elevation Data & Datums
- Moderator: David Knipe, PE, CFM, Indiana Dept of Natural Resources
- Changing Flood Reference Elevations is Relative but it is a Big Deal! David Curtis, Ph.D., WEST Consultants

Thursday, May 23
Thursday, May 23

Digging for Datums and Aligning Aerial Imagery. Christine Gallagher, NOAA’s National Geodetic Survey
The 3D Nation Elevation Requirements and Benefits Study - Preliminary Results. Ashley Chappell, NOAA

J5

Wait, You Want to Model What? 20
Modeling Unique Features
Moderator: Dan Brubaker, PE, CFM, North Carolina Dept of Public Safety
What Happens When the Bottom Drops Out? Bryan Martindale, PE, CFM, Knight E/A
Regional Flooding Challenges and Approaches – Huntington, WV Flood Mitigation Study. Ifeanyi Odigboh, PE, CPESC, CFM, ms consultants, inc.
Save Fame Studios: 2D Sinkholes with Floodways in Muscle Shoals, Alabama. Felipe Dias, BT, CFM, Wood

J6

Risk Communication and Planning for Dams and Levees
Moderator: Veronica Villalobos-Pogue, ACEM, CFM, Arkansas Natural Resources Commission
How A Multiple Dam EAP Table Top Exercise is a Win-Win Situation. Natalie Rogers, PE, CFM, FTN Associates, Ltd.
Assessment of USACE Collaborative Levee Flood Risk Communication Initiative: Challenges & Lessons Learned. Mary Weidel, PE, CFM, U.S. Army Corps of Engineers
Lessons Learned from 20+ Flood Response

J7

Post-Disaster Actions and Processes 22
Moderator: Shana Udvardy, CFM, Union of Concerned Scientists
The SBA Disaster Loan Program: Preparedness, Recovery, Insurance Requirements and Mitigation. Alejandro Contreras, U.S. Small Business Administration - Office of Disaster Assistance
Unveiling of the FEMA Coastal Disaster Data Playbook. Nicole Metzger, Atkins
Post-Disaster Data Analytics- Transforming Recovery Decision-Making. Mathew Mampara, PE, Dewberry

J8

Flood Map Change Processes 23
Moderator: Ceil Strauss, CFM, Minnesota Department of Natural Resources
Advancements and New Initiatives Impacting MT-1 Letter of Map Change Processing. Todd Steiner, FEMA HQ
Using LiDAR to Support Letter of Map Amendments (LOMAs): What Submitters Need to Know. Matt Richards, CFM, Michael Baker Int'l.
7:00-11:00  NETWORKING RECEPTION  Off-site
The Rock and Roll Hall of Fame, or "Rock Hall", as the locals call it, recognizes and archives the history of the best-known and most influential artists, producers, engineers, and other notable figures who have had some major influence on the development of rock and roll. Explore one of the most impressive collections of memorabilia ever assembled — from John Lennon’s guitar to hip-hop pioneer Jam Master Jay’s gold chains. Pre-registration required. Food and beverages included. Buses will be available for pick up and drop off at conference hotels if you prefer not to walk. ATTENDEE/GUEST NAME BADGE AND TICKET MUST BE PRESENTED FOR ADMISSION
Sponsored by: The Pew Charitable Trusts
SAVE THE DATE
JUNE 7-11, 2020
ASFPMCONFERENCE.ORG/2020