| Session A (Tuesday - 10:30AM-12:00PM) June 9 |  
|-----------------------------------------|--------------------------------------------------|
| **A1: State Mapping Initiatives**       | **Mapping**                                      |
| Moderator: Whit Montague, CFM, Arkansas Department of Agriculture | Developing Base Level Engineering for Texas Watersheds-a Cooperating Technical Partners Initiative |
| Jacquelyn Hayes, CFM                   | Texas Water Development Board, Flood Outreach Specialist |
| Thuy Patton, CFM                        | Colorado Water Conservation Board, Flood Mapping Program Manager |
| Tara Lanzrath, CFM                      | Kansas Department of Agriculture, Floodplain Mapping Coordinator |

| **A2: Modeling for Design**             | **Modeling**                                    |
| Moderator:                             | SRH-2D vs. HEC-RAS: A Case Study on Bridge Modeling Hydraulics |
| Stephen Morgan, PE, NC Dept of Transportation, State Hydraulics Engineer | 2-D in the Water Resources Mainstream: Eye Opening Case Studies of Simplicity & Value |
| Rachel Pichelmann, PE, CFM, SEH, Senior Professional Engineer | An Inundated Highway Parallel to the Floodplain: Modeling to Protect Bridge Infrastructure |
| Kyle Miller, PE, CFM, Meshek & Associates, LLC, Project Engineer | |

| **A3: Resilience: Definition, Policy, and Practice** | **Mitigation** |
| Moderator:                                           | What is Resilience and why is it important that we define it? |
| Rob Flaner, CFM, Tetra Tech, Inc., Hazard Mitigation Program Manager | |
| Matthew Fuchs, JD, The Pew Charitable Trusts, Officer | How Cities and States are Using Policy to Prepare for the Next Flood |
| Caroline Cunningham, CFM, AICP, ABCP, Stantec, Principal | Plans, Projects, Partnerships and Funding – A Compilation of Innovative Global Resilience Activities |

| **A4: Floodplain Management Policy**               | **NFIP**                                         |
| Moderator:                                          | ESA and the NFIP: Protecting Endangered Species in Pacific Northwest Floodplains |
| Erin Cooper, CFM                                    | Floodplain Management Specialist |


<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Company</th>
<th>Role</th>
<th>Session Title</th>
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</thead>
<tbody>
<tr>
<td>Luloff</td>
<td>Alan PE, CFM</td>
<td>ASFPM</td>
<td>Senior Project Manager</td>
<td>Floodways - Original Intent</td>
</tr>
<tr>
<td>Phetmano</td>
<td>Phannavong PE, CFM</td>
<td>Atkins</td>
<td>Senior Project Manager</td>
<td>Shifting from Binary to Graduated View of Flood Risks: 100-Year Standard Past and Future</td>
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<tr>
<td>A5: Risk Communication Tools that Work (and some that don’t)</td>
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<td>Risk Communication</td>
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<tr>
<td>Moderator:</td>
<td>Wes Shaw</td>
<td>Blue Urchin LLC</td>
<td>CEO</td>
<td>If you build it, they (probably) won’t come.</td>
</tr>
<tr>
<td>Kristin</td>
<td>Murphy</td>
<td>Booz Allen Hamilton</td>
<td>Senior Strategy Consultant</td>
<td>Piloting Resilience Innovation: How to build the plane while flying</td>
</tr>
<tr>
<td>Brian</td>
<td>Edmondson PE, CFM</td>
<td>Harris County Flood Control District</td>
<td>Project Manager</td>
<td>Billboards vs. Facebook – Keys to a Flood Education Program’s Success</td>
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<td>A6: The Hidden Realities of Floods</td>
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<td>Post-Disaster</td>
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<tr>
<td>Moderator:</td>
<td>Jeff Swan</td>
<td>Dry Fab Customs LLC</td>
<td>CEO</td>
<td>The Mental Cost of Flood Events</td>
</tr>
<tr>
<td>Charla</td>
<td>Marchuk CFM</td>
<td>FEMA HQ</td>
<td>National Floodplain Management Training Coordinator</td>
<td>Partnerships in Response and Resiliency</td>
</tr>
<tr>
<td>Steve</td>
<td>Samuelson CFM</td>
<td>Kansas Dept. Agriculture</td>
<td>NFIP Coordinator</td>
<td>Let’s Talk Common Sense About Mold After a Flood</td>
</tr>
<tr>
<td>A7: Trends in Stormwater Management</td>
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<td>Stormwater</td>
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<tr>
<td>Moderator:</td>
<td>Terry Medley, PE, Kansas Department of Agriculture</td>
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<tr>
<td>David</td>
<td>Howard</td>
<td>GHD</td>
<td>Environmental Engineer</td>
<td>Fishermans Bend Water Sensitive Drainage and Flood Study</td>
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<tr>
<td>Session A (Tuesday - 10AM-12PM)</td>
<td>Language</td>
<td>Abstract</td>
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<th>Session B (Tuesday - 1:45PM-3:15PM)</th>
<th>Language</th>
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<tr>
<td>B3: Mitigating Risk for</td>
<td>Mitigation</td>
<td>Community Lifelines</td>
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### B4: Local Floodplain Manager Processes and Duties

**Moderator:** Alex VanPelt, Kentucky Division of Water

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<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Organization</th>
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</thead>
<tbody>
<tr>
<td>Lisa Biggs</td>
<td>PE, CFM</td>
<td>City of Fort Worth</td>
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<tr>
<td>Lori Laster</td>
<td>PE, CFM</td>
<td>Papio Missouri River Natural Resources District</td>
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<tr>
<td>Angela Michaels</td>
<td>PE, CFM</td>
<td>Engineering with a Mission, LLC</td>
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</tbody>
</table>

**Local Floodplain Manager Processes and Duties NFIP**

- Working Together to Simplify Permitting in the Trinity River Corridor
- The Big One Hit! Now What?
- Risk Rating 2.0 and What it Might Mean to the Local Floodplain Administrator

### B5: Risk-Informed Decision Making

**Moderator:** Tracy Friend PMP AECOM Emergency Manager

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<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Organization</th>
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<tbody>
<tr>
<td>Rachel Hogan Carr</td>
<td>CFM</td>
<td>Nurture Nature Center</td>
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<tr>
<td>Seth Lawler Dewberry</td>
<td>CFM</td>
<td>Computational Scientist</td>
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</tbody>
</table>

**Risk-Informed Decision Making**

- Exploring factors that influence home buyers' flood risk perception
- Communicating uncertainty and risk in flood forecasts: how does probabilistic information affect decision-making?
- Probabilistic Flood Risk Analysis to Support Risk Informed Decision-Making

### B6: Dam and Levee Breach Modeling and Risk Assessments

**Moderator:** Geoffrey Uhlemann PE, CFM AECOM Project Manager

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<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Organization</th>
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<tbody>
<tr>
<td>Chris Ferrari</td>
<td>PE, CFM</td>
<td>GEI Consultants</td>
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<tr>
<td>Mark Bartlett Jr.</td>
<td>PhD, PE</td>
<td>Stantec</td>
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</table>

**Dams and Leves**

- Estimating Residual Risk Behind Levees with Breach Modeling
- Sacramento County OES Flood Decision Support System (FODSS) Tool
- Extreme Flood Mitigation by Dams under Present and Future Climate

### B7: Benefits of Stream Restoration

**Moderator:** Jonathon Kusa PE Inter-Fluve, Inc.

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Organization</th>
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<tbody>
<tr>
<td>Brandon Parsons</td>
<td>PLA</td>
<td>American Rivers</td>
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**Natural and Beneficial Functions**

- Economic Impact of Floodplain Restoration on Property Values and Revenue
- Returning Ecology to Cities - Renaturalization of Concrete Lined Urban River Systems
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<tr>
<th>Session C (Tuesday 3:45PM-5:15PM)</th>
<th>June 9</th>
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<tbody>
<tr>
<td><strong>C1: Transforming the Floodplain Mapping Program</strong>&lt;br&gt;Moderator: Jeanne Ruefer, CFM, PMP, HWC, Inc.</td>
<td>Mapping</td>
</tr>
<tr>
<td>Paul Rooney&lt;br&gt;FEMA Mapping Technology Specialist</td>
<td>Clouds Ahead: A Data Platform and Web Services for NFIP Mapping</td>
</tr>
<tr>
<td>Cheryl Johnson&lt;br&gt;PE, CFM, PMP AECOM Program Manager</td>
<td>It is Time to Change how FEMA Maps Coastal Flooding – A Proposal</td>
</tr>
<tr>
<td>Josha Crowley&lt;br&gt;PE, PMP, CFM, D.WRE STARR II - Atkins RSC Lead</td>
<td>In Pursuit of Accuracy</td>
</tr>
<tr>
<td><strong>C2: Modeling Complex and Unique Systems</strong></td>
<td>Modeling</td>
</tr>
<tr>
<td>Dragoslav Stefanovic&lt;br&gt;PhD, PE, D.WRE HDR&lt;br&gt;Sr. Technical Program Manager</td>
<td>Evaluating Downstream Impacts of Flood Control Projects by Streambed Mobilization Energy</td>
</tr>
<tr>
<td>Rebecca Starosta&lt;br&gt;PE, CFM AECOM Water Resources Engineer</td>
<td>Lacustrine Hydrologic Modeling of Lake Champlain</td>
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<tr>
<td>Johnny Martin&lt;br&gt;PE Moffatt &amp; Nichol Coastal/Hydraulic Engineer</td>
<td>Innovative Combined Coastal/Inland Flooding Models and Solutions for Use in Coastal/Estuarine Areas to Enhance Resilience</td>
</tr>
<tr>
<td><strong>C3: Building Science and Floodproofing</strong></td>
<td>Mitigation</td>
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<tr>
<td>Manuel Perotin&lt;br&gt;PE, PMP, CFM CDM Smith Senior Project Manager</td>
<td>Giving multi-family buildings a new lease on life from Flooding</td>
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<tr>
<td>Jonathan Westcott&lt;br&gt;PE FEMA Building Science Branch Civil Engineer</td>
<td>Building Codes Save: FEMA’s Nationwide Building Code Losses Avoided Study</td>
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<tr>
<td>Jennifer</td>
<td>Wellock</td>
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<tr>
<td>C4: Local Floodplain Regulations and Higher Standards</td>
<td>NFIP</td>
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<tr>
<td>Karl</td>
<td>McArthur</td>
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<td>Virginia</td>
<td>Batts</td>
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<td>Alan</td>
<td>Johnson</td>
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<tr>
<td>C5: Unique Approaches to Risk Communication</td>
<td>Risk Communication</td>
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<td>Cindy</td>
<td>Wirz</td>
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<td>Peter</td>
<td>Herrick, Jr.</td>
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<td>Jack</td>
<td>Heide</td>
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<tr>
<td>C6: Learning from Recent Major Flood Events</td>
<td>Post-Disaster</td>
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<tr>
<td>John</td>
<td>Brubaker</td>
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<tr>
<td>Jamie</td>
<td>Reinke</td>
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<tr>
<td>Brandon</td>
<td>Claborn</td>
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<tr>
<td>C7: Stormwater Permitting</td>
<td>Stormwater</td>
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</tbody>
</table>

This table summarizes the speakers, organizations, and topics discussed at a conference or seminar. It provides a clear overview of the event's agenda, including sessions on floodplain regulations, risk communication, unique approaches to risk, learning from recent flood events, and stormwater permitting.
<table>
<thead>
<tr>
<th>Moderator:</th>
<th>Howard Redfearn CFM, QEP</th>
<th>City of Mansfield</th>
<th>Environmental Manager</th>
<th>Post Construction Water Quality for MS4 Permit Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stefano Rignanese</td>
<td>Maccaferri Inc</td>
<td>Technical Marketing Manager</td>
<td>Erosion Control Applications across the United States - Case Studies</td>
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</tr>
<tr>
<td>Elise Ibendahl</td>
<td>Jacobs</td>
<td>North Region Water Resources Solutions Leader</td>
<td>Mitigating Urban Flooding in a Combined Sewer Area: A Philadelphia Case Study</td>
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</table>

**C8: SHOWCASE SESSION C**

**Moderator:**

<table>
<thead>
<tr>
<th>D1: Equity Considerations in Floodplain Management</th>
<th>Equity</th>
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<tbody>
<tr>
<td>Moderator: Katie Sommers, CFM, Wisconsin Emergency Management</td>
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<tr>
<td>Miriam Belblidia CFM, MPA Arcadis Floodplain Manager &amp; Resilience Planner</td>
<td>Equitable Engagement for Flood Risk and Resilience Work</td>
</tr>
<tr>
<td>Ana Zimmerman PhD College of Charleston Immunologist</td>
<td>Flood History Disclosure: A Case Study from Charleston, SC</td>
</tr>
<tr>
<td>Marcus Coleman HWC Senior Associate</td>
<td>Participatory Design for Greater Stakeholder Inclusion &amp; Better Outcomes</td>
</tr>
</tbody>
</table>

**D2: Future of Flood Modeling**

**Moderator:**

<table>
<thead>
<tr>
<th>Scott Blossom PE, CFM, LEED AP Blossom Consulting and Engineering Inc. President</th>
<th>Modeling</th>
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</thead>
<tbody>
<tr>
<td>Andrew Park-Friend PE Michael Baker International Water Resource Engineer</td>
<td>Hydrologic and Hydraulic Modelling: Today’s (and Tomorrow’s) Design Scenarios</td>
</tr>
<tr>
<td>Swamy Pati PhD, PE, CFM Jacobs</td>
<td>Climate Change in Your Home Town: An overview of how what we see in the media can be distilled into a practical application of future flood risk for your community</td>
</tr>
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<td></td>
<td>System Wide Flood Risk Analysis using Integrated Coastal and Inland Modeling and Tools Development to Analyze Large Asset Database: JEA System Wide Resiliency Program</td>
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**Session D (Wednesday 10:30AM-12:00PM) June 10**
<table>
<thead>
<tr>
<th>Topic</th>
<th>Session</th>
<th>Moderator</th>
<th>Speaker(s)</th>
<th>Title</th>
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<tbody>
<tr>
<td><strong>D3: FEMA Mitigation Programs and Grant Applications</strong></td>
<td></td>
<td>Camille Crain</td>
<td>FEMA BRIC Section Chief</td>
<td>The New Building Resilient Infrastructure and Communities (BRIC) Program: What Stakeholders Should Know</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Eric Kenney PE, PMP, CFM CDM Smith</td>
<td>Senior Project Manager</td>
<td>Best Practices for Large Infrastructure Projects in the PDM and FMA Programs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mike Robinson CFM Moffatt &amp; Nichol</td>
<td>Technical Director, Hazard Mitigation and Resiliency Planning</td>
<td>A History of Hazard Mitigation and Historic Preservation in North Carolina</td>
</tr>
<tr>
<td><strong>D4: Flood Insurance and Risk Rating 2.0</strong></td>
<td></td>
<td>Bruce Bender, CFM, Bender Consulting Services, Inc.</td>
<td>Tony Hake FEMA</td>
<td>Product Delivery Division Director Risk Rating 2.0 Overview</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>Shawn Tinsley ANFI H2O Partners, Inc.</td>
<td>Risk Rating &amp; Product Redesign Specialist Risk Rating 2.0 and Floodplain Management</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>David Stearrett CFM FEMA</td>
<td>FEMA Flood Insurance Advocate FEMA Panel Discussion: Flood Insurance… What Every Floodplain Manager Should Know</td>
</tr>
<tr>
<td><strong>D5: Watershed-Scale Flood Management Initiatives</strong></td>
<td></td>
<td>Joe Fernandez, CFM, San Antonio River Authority</td>
<td>Mia Brown CFM NCTCOG</td>
<td>Trinity River Common Vision: 30 Years Strong and Growing</td>
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<td>Alexandra Carter AICP OCD-DRU</td>
<td>Snapshot of the Louisiana Watershed Initiative</td>
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<td>Larry Weber PhD Iowa Flood Center-University of Iowa</td>
<td>The Iowa Watershed Approach: A Scalable and Replicable Model for Managing Water Resources</td>
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<tr>
<td><strong>D6: Sea Level Rise Tools and Planning</strong></td>
<td></td>
<td>Lori Cary-Kothera, NOAA Office for Coastal Management</td>
<td>Jamelyn Austin Trucks CGM, CFM, PMP Atkins</td>
<td>NOAA’s Adapting Stormwater Management for Coastal Floods – a decision support tool for Coastal Communities facing Sea Level Rise</td>
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<tr>
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<td>Ashby Worley CFM The Nature Conservancy</td>
<td>Using Decision Support Tools to Build a More Resilient Georgia Coast</td>
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<tr>
<td>Muthu Narayanaswamy PhD, PE</td>
<td>Michael Baker International Senior Coastal Engineer</td>
<td>Probabilistic Approach to Incorporate Sea Level Rise into Assessments of Coastal Flood Risk</td>
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<tr>
<td><strong>E1: To BLE or Not to BLE</strong></td>
<td>Mapping</td>
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<tr>
<td>Moderator:</td>
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<tr>
<td>Jack Young PE, CFM, PMP</td>
<td>Halff Associates, Inc. Project Manager</td>
<td>Base Level Engineering to Detailed Studies</td>
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<tr>
<td>Emma Brown M.Eng., C.Eng</td>
<td>HR Wallingford Mrs</td>
<td>Efficient Regional Scale Flood Mapping - Indicative Fluvial Flood Map for Ireland</td>
<td></td>
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<td>Elizabeth Savage PE</td>
<td>HWC, Inc Regional Program Management Lead assisting FEMA R6</td>
<td>Building Community Capability with the Base Level Engineering Desk Reference</td>
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<tr>
<td><strong>E2: Modeling Texas Style</strong></td>
<td>Modeling</td>
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<td>Moderator:</td>
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<tr>
<td>Kim Dewailly PE, CFM</td>
<td>Dallas Water Utilities Senior Engineer</td>
<td>Regulating Behind the Levee – Expectation Versus Reality</td>
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<td>Russell Jones PE</td>
<td>HDR Mr</td>
<td>1D Models Cannot Handle Texas Sized Floodplains</td>
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<tr>
<td>Craig Ottman PE, CFM</td>
<td>Tarrant Regional Water District Water Resources Engineer</td>
<td>Real World Application of HEC-RAS 2D Modeling: Rehabilitation of the Richland-Chambers Wetlands</td>
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<td><strong>E3: Coastal Resilience: Policy and Projects</strong></td>
<td>Mitigation</td>
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<td>Moderator:</td>
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<tr>
<td>Sarah Murdock</td>
<td>The Nature Conservancy Director, US Climate Resilience and Water Policy</td>
<td>U.S. Federal Climate Resilience Policy: Is the Political Divide being Bridged?</td>
<td></td>
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<tr>
<td>Jerry Murphy JD, AICP, CFM</td>
<td>University of Florida Program for Resource Efficient Communities Research Scientist</td>
<td>The Future of Waterfront Property: Policy Considerations for States and State Floodplain Managers</td>
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<tr>
<td>Brian Batten PhD, CFM</td>
<td>Dewberry Senior Associate</td>
<td>Integrated Strategies for Resilience to Future Flooding in Virginia Beach, VA</td>
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<tr>
<td><strong>E4: CRS - National Perspective</strong></td>
<td>NFIP</td>
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<td>Moderator: Michelle Gonzales, CFM, Rostan Solutions, LLC</td>
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<tr>
<td>Josh Overmyer CFM</td>
<td>Charlotte County Floodplain Coordinator</td>
<td>CRS Retrograde, Now What?</td>
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<tr>
<td>French Wetmore CFM</td>
<td>French &amp; Associates, Ltd.</td>
<td>President</td>
<td>FEMA-USFWS-NMFS Partner to Incorporate Credit for Protecting Threatened and Endangered Species into the Community Rating System</td>
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<tr>
<td>Maggie Talley CFM</td>
<td>Jefferson Parish</td>
<td>Director of Floodplain Management and Hazard Mitigation</td>
<td>Maximizing CRS points for your Hazard Mitigation Plan</td>
<td></td>
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<tr>
<td>E5: Unique Approaches to Risk Communication 2</td>
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<td>Risk Communication</td>
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<tr>
<td>Dan Henderson GISP, PMP Esri</td>
<td>Regional Sales Manager</td>
<td>Utilizing location technology for flood preparedness, management, mitigation, recovery and resilience</td>
<td></td>
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<tr>
<td>John Covey PE, CFM Wood</td>
<td>Associate - Project Manager</td>
<td>Using Augmented Reality to Communicate Flood Risk &amp; Risk Management Solutions</td>
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<tr>
<td>E6: Dam and Levee Planning and Risk Communication</td>
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<td>Dams and Levees</td>
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<tr>
<td>Jared Schneider CFM</td>
<td>King County Emergency Management</td>
<td>Dam Safety Program Coordinator</td>
<td>Dam Failure: How to Prepare Your Community</td>
<td></td>
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<tr>
<td>Diana Castro PE, CFM Atkins</td>
<td>Senior Engineer</td>
<td>Managing Dam Flood Risk with Effective Floodplain Management and Emergency Planning</td>
<td></td>
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<tr>
<td>Suzanne Vermeer PE, CFM DHS/FEMA HQ</td>
<td>Engineering Resources Branch</td>
<td>Community Education, Outreach, and Success Stories for Levees</td>
<td></td>
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<td>E7: Local Stormwater Management Initiatives</td>
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<td>Matt Stahl PE, AWAM, CFM Halff Associates, Inc. Project Manager</td>
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<td>F1: Risk Products Tailored to Community Needs</td>
<td>Fort Worth’s Storm Drain Rehabilitation Program: Cowtown’s Approach To Wrangling Storm Drains</td>
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<td>Byron Hinchey PE, CFM S&amp;E, Inc. Senior Project Manager</td>
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<td>F1: Risk Products Tailored to Community Needs</td>
<td>Risk Management in Site Design: Don’t Forget to Look Offsite</td>
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<tr>
<td>Tak Makino CFM Lockwood, Andrews &amp; Newnam CRS/Flood Mitigation Manager</td>
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<td>F1: Risk Products Tailored to Community Needs</td>
<td>Asset Management: A Tool for Floodplain Managers that Ties into CRS, HMAP and Grants</td>
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<td>Anna Serra-Llobet PhD University of California, Berkeley Dr.</td>
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<td>F1: Risk Products Tailored to Community Needs</td>
<td>Never Again! Disaster, Dry Feet, and the Dutch</td>
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<td>Jessica Ludy CFM US Army Corps of Engineers Senior Project Planner</td>
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<td>F1: Risk Products Tailored to Community Needs</td>
<td>An Unfortunate Series of Events Tests the Resiliency of the Hidroituango Dam on May 2018</td>
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<td>Alejandro Riano PE, CFM AECOM Sr. Water Resources Engineer</td>
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<td>Ceilindia Adair CFM State of OR DLCD State NFIP Coordinator</td>
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<td>State NFIP Coordinator</td>
<td>F1: Risk Products Tailored to Community Needs</td>
<td>Floodplain Platform for Community Information</td>
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<td>Traci Sears CFM MT DNRC Montana NFIP Coordinator</td>
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<td>Montana NFIP Coordinator</td>
<td>F1: Risk Products Tailored to Community Needs</td>
<td>Data-driven Decisions: Connecting Risk Analysis to Floodplain Management</td>
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<tr>
<td>Jack Krolkowski EIT, CFM Georgia Department of Natural Resources Environmental Engineer</td>
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<td>Environmental Engineer</td>
<td>F1: Risk Products Tailored to Community Needs</td>
<td>Guidance for Flood Damage Prevention &amp; Resilience in Rural Alabama</td>
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<td>Corey Garyotis PE, CFM ADECA OWR State NFIP Coordinator</td>
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<td>Isaac Allen PE, CFM AECOM Water Resources Engineer</td>
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<td>Water Resources Engineer</td>
<td>F1: Risk Products Tailored to Community Needs</td>
<td>Hot ‘n Cold Flooding – Post-Fire, Ice Jamming, and Snowmelt in the Animas River Watershed</td>
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<tr>
<td>Brian Caufield PE, CFM, D.CE CDM Smith Senior Coastal Engineer</td>
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<td>Senior Coastal Engineer</td>
<td>F1: Risk Products Tailored to Community Needs</td>
<td>Beyond a Line on a Map: How to Enhance Coastal Resiliency Along Eroding Shorelines in New England</td>
</tr>
<tr>
<td>Soumya Sagarika PE, CFM Atkins Sr Engineer</td>
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<td>Atkins Sr Engineer</td>
<td>F1: Risk Products Tailored to Community Needs</td>
<td>Technical Collaboration, Federal and Local – Success stories in Region 10</td>
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<td>F2: Regulatory Implications on Modeling</td>
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<td>Ferrin Affleck PE, PMP, CFM Atkins</td>
<td>Project Manager</td>
<td>FEMA 2D modeling with Floodways: Case studies</td>
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<td>Rick Sacbibit PE FEMA</td>
<td>Branch Chief</td>
<td>FEMA Approach on 2D Floodways; Improving Tools and Updating Guidance</td>
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<td>Sunit Deo PE, CFM HDR</td>
<td>Senior Water Resources Engineer</td>
<td>Carson Creek Flood Risk Reduction Project: Consequences of &quot;Redirecting&quot; a Creek</td>
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<tr>
<td>Casey Zuzak GISP FEMA</td>
<td>Senior Risk Analyst, Natural Hazards Risk Assessment Program</td>
<td>Introduction to the National Risk Index</td>
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<tr>
<td>Randall Behm PE, CFM Behm Hazard Mitigation, LLC.</td>
<td>Nonstructural Mitigation specialist</td>
<td>Saving Our Historic Building Stock through the Application of Nonstructural Mitigation</td>
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<tr>
<td>Mike Onufrychuk PMP, CFM AECOM</td>
<td>Project Manager</td>
<td>A Pilot Study to Calculate Coastal Average Annualized Losses</td>
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<tr>
<td>Cindy Engelhardt PE, CFM Halff Associates, Inc.</td>
<td>Project Manager</td>
<td>Hays County’s Progressive Approach to Resilience</td>
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<td>Mitch Paine CFM King County</td>
<td>Program Manager</td>
<td>Endangered Species, Agriculture, and Flooding: Lessons from Managing Multiple Uses in Floodplains</td>
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<tr>
<td>Del Schwalls PE, CFM Schwalls Consulting LLC</td>
<td>President</td>
<td>A Little Here and a Little There: The Hazards of Piecemeal Floodplain Management</td>
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<tr>
<td>Bradley Dean CFM, CE FEMA, Federal Insurance &amp; Mitigation Administration, Risk Management Directorate Communications and Partnerships Specialist</td>
<td></td>
<td>What is a Common Language of Mitigation, How do we Establish that Shared Language, and Who is “We?”</td>
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<td>Jim Keith</td>
<td>PE, CFM Freese and Nichols, Inc.</td>
<td>The Problem With ‘Unprecedented’: Mitigating Misinformation &amp; Improving Risk Communication</td>
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<tr>
<td>Kate Skaggs</td>
<td>CFM Resilience Action Partners</td>
<td>Leveraging the Power of Story for Policy Change, Local Mitigation Action</td>
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<td>F6: Damage Assessment Tools and Resources</td>
<td>Post-Disaster</td>
<td>Developing Tools and Workflows for Collecting and Computing Substantial Damage Estimates in SC</td>
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<tr>
<td>Jessica Artz</td>
<td>CFM SCDNR Flood Mitigation Specialist</td>
<td>FEM's Substantial Damage Playbook: New Ways of Supporting Communities Post-Disaster</td>
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<td>Molly Kaput</td>
<td>FEMA Region I Senior Emergency Management Specialist</td>
<td>Benefits of having a UAS contract in place pre and post disaster</td>
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<td>Mark James</td>
<td>CFM Michael Baker International Project Manager - Resiliency/Hazard Mitigation</td>
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<td>F7: Local Flood Warning Systems</td>
<td>Warning Systems</td>
<td>Development of a best practice flood warning system</td>
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<tr>
<td>Allan Herring</td>
<td>CPEng, RPEQ, GradDip(LocGovtEng), BE(Civil Hon1) Brisbane City Council Mr.</td>
<td>Building Real-Time Resiliency from the City of Fort Worth’s Flood Warning System</td>
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<tr>
<td>Ranjan Muttiah</td>
<td>PhD, PE, CFM City of Fort Worth, Stormwater Management, TPW Senior Professional Engineer</td>
<td>Near Real Time Mapping Possible in 30 Minutes for 1,200 Miles in Harris County Because of Model and Map Management(M3) System</td>
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<td>Ataul Hannan</td>
<td>PE, CFM Harris County Flood Control District Director, Planning Division</td>
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<tr>
<td>F8: Big Data and Decision Support Tools</td>
<td>Data</td>
<td>The Living Flood Study: Multi-Application Flood Risk Analyses</td>
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<td>Mathew Mampara</td>
<td>PE Dewberry Director of Innovation</td>
<td>Leveraging Data Analytics and Digital Tools For Better Planning</td>
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<tr>
<td>Susanna Pho</td>
<td>CFM Forerunner Co Founder, COO</td>
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<td>Bradford Hartley</td>
<td>CFM, GISP ABS Group Senior Project Manager</td>
<td>The Biz with Data Viz, Using Decision Support Tools</td>
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<td>Session G (Thursday 10:30AM-12:00PM): June 11</td>
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### F9: State Day - Mitigation

**Moderator:**

- **Mindy Conyers PhD** - Texas Water Development Board
- **Samara Ebinger CFM** - New Hampshire Office of Strategic Initiatives
- **Paul Flondarina** - South Carolina Disaster Recovery Office (SCDRO)

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<tbody>
<tr>
<td>Informed Flood Planning for Texas: An Update on Implementation of Recent Legislation</td>
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<tr>
<td>The Flood Hazards Handbook: Supporting Community Flood Resilience in New Hampshire</td>
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<tr>
<td>CDBG-DR Comprehensive Watershed Study in South Carolina: Determining Flood Mitigation Infrastructure Ideas</td>
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### G1: CTP Showcase

**Moderator:**

- **Robert Nolen PE, CFM, DTM** - San Antonio River Authority Engineer
- **Laura Algeo PE** - FEMA HQ CTP Program Coordinator
- **Vikram Shrivastava PE, PMP, D.WRE, CFM** - Atkins Project Director

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<tr>
<th>Mapping</th>
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<tr>
<td>San Antonio River Authority Risk MAP Updates</td>
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<tr>
<td>Incorporating the 2020 Survey &amp; RMD Priorities to Inform the CTP Program</td>
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<td>Quadrafecta of Floodplain Management – the community, the CTP, FEMA, and CTP contractors</td>
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### G2: 2D Modeling Parameters

**Moderator:**

- **Sue Hoegberg CFM, GISP** - Dewberry Senior GIS Project Manager
- **Brandon Hilbrich PE, CFM** - HDR Water Resources Project Manager
- **Matt Chaney PE** - AECOM Project Engineer

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<tr>
<td>The 3D Nation Elevation Requirements and Benefits Study - Preliminary Results</td>
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<td>Impacts of 2D Parameters – An XPSWMM Case Study</td>
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<td>Sensitivity Testing of RAS2D Cell Sizes</td>
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### G3: Resiliency and Mitigation Planning

**Moderator:**

- **Jen Nelson, Minnesota Homeland Security and Emergency Management**
- **Carey Johnson** - Kentucky Division of Water Assistant Director
- **Amanda Sharma MRLS, CFM** - FEMA HQ Emergency Management Specialist

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<tbody>
<tr>
<td>Infusing nature-based solutions into Hazard Mitigation Plans: Creating Resilient and Sustainable Communities for the 21st Century</td>
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<td>Mitigation Plan/ning Effectiveness: How engagement in the mitigation planning process results in risk reduction measures</td>
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<td>Ryan Carroll CFM</td>
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<tr>
<td><strong>G4: NFIP Violations and Compliance</strong></td>
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<td>Moderator:</td>
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<tr>
<td>Becca Fricke-Croft CFM Atkins Senior Planner</td>
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<tr>
<td>Drew Reicks GISP, CFM CDM Smith GIS Specialist/Developer</td>
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<tr>
<td>Adrienne Sheldon PE, CFM FEMA HQ Branch Chief, FPM Regional &amp; Field Support</td>
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<tr>
<td><strong>G5: Strategic Risk Communication: Understanding Behavior</strong></td>
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<td>Moderator:</td>
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<tr>
<td>Jeremias Alvarez PMP, CSM Guidehouse Managing Director</td>
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<tr>
<td>Alicia Williams GISP Wood Environment and Infrastructure, Inc.</td>
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<tr>
<td>Suniko Mekaru DVM, PhD Booz Allen Hamilton Epidemiologist</td>
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<td><strong>G6: Building Resiliency into Disaster Recovery</strong></td>
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<td>Moderator:</td>
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<tr>
<td>Lauren Dozier CFM Tetra Tech, Inc. Project Manager, Post Disaster Programs</td>
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<tr>
<td>Mary Baker JEO Consulting Group Resiliency Strategist</td>
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<td>G7: Stormwater Management Modeling</td>
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<td>G8: Design Considerations for Coastal Projects</td>
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<tr>
<td>Patti Sexton PE, CFM</td>
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<td>Phil Martin CFM</td>
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<td>Joe Waln PE, CFM</td>
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**H7: Coastal Water Resource Management**

**Moderator:**

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<th>Name</th>
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<tbody>
<tr>
<td>Michael McMahon</td>
<td>HDR</td>
<td>ENV SP</td>
<td>Climate Change and Water Management: Where Policy Meets Science...Head-on</td>
</tr>
<tr>
<td>Adam Hosking</td>
<td>Jacobs</td>
<td>C.WEM, C.Sci.</td>
<td>An Integrated Approach to Coastal Flood Resilience</td>
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<tr>
<td>Jonathan Simm</td>
<td>HR Wallingford</td>
<td>PhD, C.Eng.</td>
<td>International guidelines for use of Natural and Nature-Based Features: supporting a new age of flood management</td>
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**H8: Acquisition and Elevation Projects - Guidance/Successes**

**Moderator:**

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<tbody>
<tr>
<td>Kathy Hopkins</td>
<td>CFM, CTCM</td>
<td>TWDB</td>
<td>Mitigation Specialist To Elevate, or not to Elevate, that is the Question</td>
</tr>
<tr>
<td>Teri Morgan</td>
<td>SR/WA</td>
<td>HDR, Inc.</td>
<td>Real Estate and Right of Way Services Section Manager</td>
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<tr>
<td>Nur Yazdani</td>
<td>University of Texas Arlington</td>
<td>PhD, PE, ASCE, F, ACI, F SEI</td>
<td>City of Austin Onion Creek Project: Show me the Money and we will show you the results</td>
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<td>Slab Home Elevations for Flood-proofing: Safety, Education, Training and Outreach</td>
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**Session J (Thursday 4:00PM-5:30PM) June 11**
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<tr>
<th>J1: LOMC-PMR Process</th>
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<tr>
<td>Matt</td>
<td>Richards CFM</td>
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<td>Patrick</td>
<td>Dobbs PE</td>
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<td>Jeff</td>
<td>Zanotti CFM</td>
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<th>J2: Modeling Approaches to Meteorology and Rainfall</th>
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<td>Mitchell</td>
<td>Blum PE, CFM</td>
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<td>Simeon</td>
<td>Benson PE</td>
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<td>Ataul</td>
<td>Hannan PE, CFM</td>
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<th>J3: Local Mitigation Initiatives and Projects and Design</th>
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<tr>
<td>David</td>
<td>Kroening PG, CFM, GC</td>
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<td>Dacia</td>
<td>Mosso Tetra Tech</td>
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<td>John</td>
<td>Callen PE, CFM</td>
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<th>J4: CRS - Local Perspectives (4 speakers)</th>
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<tr>
<td><strong>Moderator: David Stroud, CFM, Wood</strong></td>
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<tr>
<td>Lisa</td>
<td>Foster CFM</td>
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<td>Chris</td>
<td>Mason CFM</td>
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<td>Mary-Carson Stiff</td>
<td>CFM, JD</td>
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<td>Stephanie Griffin</td>
<td>PE, CFM</td>
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**J5: Visualizing Flood Risk**

**Moderator:**

Michael Grove, Booz Allen Hamilton, GIS Specialist

Harnessing the Power of Hollywood: Using Immersive 3D Visualizations to Drive Flood Communications

Danielle Dami, Stantec, GIS Analyst

Improving flood risk awareness and resiliency by using 3D rendering video game technology

Joanhwoan Choi, PhD, PE, CFM, Stream Methods Inc.

2016 Baton Rouge Deluge: Reconstruction and 3D-Visualization of Historical Flooding Events

**J6: Federal Post-Disaster Programs**

**Moderator:**

Alejandro Contreras, Small Business Administration, Director, Preparedness, Communication and Coordination

Rebuilding After a Disaster: How Federal Disaster Loans Help Survivors Build Back Faster, Stronger and More Resilient.

Paul Rydlund, PLS, CFM, USGS - CMWSC, Chief, Hydrology and Hydraulics Modeling Section

"Above all else, show the data" : U.S. Geological Survey (USGS) Riverine Response to Flooding and Post-Flood Data Collection with Reference to the Midwest Floods of 2019

Brandy Bones, AICP, PMP, ICF, Senior Director

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**J7: Stormwater Management Planning**

**Moderator:**

Heather Hyde, PE, CFM, Jacobs Engineering Group, Water Resource Engineer

Benefits of Watershed Master Plans: Flood mapping, Level of Service, and BMPs

Janet Meshek, PE, CFM, SR/WA, Meshek & Associates, LLC, Principal Engineer

Tulsa’s No Adverse Impact Approach to Resilient Infrastructure

Suleyman Akalin, PE, CFM, PhD, Calibre Engineering, Stormwater Manager

Localized Floodproofing & Capital Project Planning for Endangered Residential Communities

**J8: Large-Scale Modeling**

**Moderator:**

Paul Rydlund, PLS, CFM, USGS - CMWSC, Chief, Hydrology and Hydraulics Modeling Section

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**J5: Visualizing Flood Risk**

**Moderator:**

Michael Grove, Booz Allen Hamilton, GIS Specialist

Harnessing the Power of Hollywood: Using Immersive 3D Visualizations to Drive Flood Communications

Danielle Dami, Stantec, GIS Analyst

Improving flood risk awareness and resiliency by using 3D rendering video game technology

Joanhwoan Choi, PhD, PE, CFM, Stream Methods Inc.

2016 Baton Rouge Deluge: Reconstruction and 3D-Visualization of Historical Flooding Events

**J6: Federal Post-Disaster Programs**

**Moderator:**

Alejandro Contreras, Small Business Administration, Director, Preparedness, Communication and Coordination

Rebuilding After a Disaster: How Federal Disaster Loans Help Survivors Build Back Faster, Stronger and More Resilient.

Paul Rydlund, PLS, CFM, USGS - CMWSC, Chief, Hydrology and Hydraulics Modeling Section

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