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**MfSMA**

MO Floodplain & Stormwater Managers Association

**2022 Annual Conference**

*If you build it right...it won't flood.*



# Providing Accurate Flood Risk Data so Missourians can Build it Right and Reduce Risk

In every challenging environment and sensitive situation, we see solutions. We take a holistic approach to risk assessment, mitigation and management.

Connect with our experts at the 2022 Missouri Floodplain and Stormwater Managers Association Conference

For more information please contact:  
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[woodplc.com](http://woodplc.com)

**Join Us!**  
Flood Risk Data  
Celebration  
Thursday, Sept. 1st  
6:00 to 10:00 pm

Food &  
Games!

**wood.**



August 31, 2022

On behalf of the board for The Missouri floodplain and Stormwater Managers Association I want to welcome you all to the annual conference, "If You Build It Right, It Won't Flood." Our theme this year emphasizes the appropriate use of flood prone areas through innovative design, construction methods, and of course, good floodplain management by local officials.

Our charge at MfSMA is to educate local floodplain officials, community leaders, and the professional design community to provide tools to prevent flood losses and tools to assist communities after a flood loss. We have assembled a number of fantastic presentations for this year's conference to provide you with the tools, ideas, and techniques to design and manage floodplains to prevent future human suffering.

I would like to especially thank the volunteers, speakers, sponsors, and exhibitors. We simply couldn't have this conference without you. I also want to thank all the attendees, new and old. You are the officials and design professionals that ensure Missouri will continue to innovate, regulate, and educate when it comes to floodplain use.

Please take the next couple of days to get to know a handful of folks you haven't met before. One of the best things about attendance at any conference is that you get a chance to discuss issues and ideas in a collaborative environment with like-minded people. You will find that you are not alone with your ideas, frustrations, or techniques and that validation will empower you to do your job better every day!

The 2022 live and in-person conference begins now. Welcome, relax and enjoy!

Sincerely,

A handwritten signature in blue ink that reads "Daniel P. Rahn". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Daniel P. Rahn, PE, CFM  
President MfSMA

<p>8:00 - 9:00 <b>Hot Breakfast Buffet Plenary</b></p> <p><b>Floodplain Management in the Trenches</b> Paul Osman, P Oz Consulting, LLC</p> <p>9:00 – 12:00 <b>CFM EXAM</b></p> <p>9:00 – 10:00 <b>Plenary Session - Round Table Discussion</b> <b>Historic St. Louis Regional Rainfall Event – Response and Recovery</b></p> <p>10:00 – 10:30 <b>General Membership Meeting</b></p> <p><b>President Closing Remarks</b> STAY FOR PRIZES!!!</p> <p>11:00 – 12:00 <b>Board Meeting</b></p>	<p>Paradise C</p> <p>Leeward 77</p> <p>Paradise C</p> <p>Paradise C</p>	<p>9:00 - 12:00 <b>Introduction HECRAS2D</b> Josh Yarrow, PE, CFM, Wood Environmental</p> <p>9:00 - 12:00 <b>CFM Review Workshop</b> Karen McHugh, CFM, SEMA</p> <p>10:30 – 12:00 <b>Board Meeting</b></p> <p>12:00 – 1:00 Lunch on your own</p> <p>1:15 – 2:00 <b>Opening Session</b> <b>Opening Remarks/Welcome</b> – Dan Rahn, PE, CFM, President MfSMA <b>ASFPM Foundation Presentation</b> – Becca Fricke-Croft, CFM, Atkins North America</p> <p>2:15 – 3:30 <b>Concurrent Session A</b></p> <p><b>A1 River Des Peres Flood Risk Study</b> Matt Jones, COE, St. Louis</p> <p><b>Missouri River Study Update</b> COE, Kansas City</p> <p><b>A2 Collaborate for a Flourishing Community - When Streams and Trails Collide</b> Todd Wagner PE, D.WRE, CFM</p> <p><b>Jefferson CO Water Quality &amp; Stream Protection</b> Michael Cook and Tim Dean, PE, Intuition and Logic Engineering</p> <p>3:30 – 3:45 <b>Break</b> – Refreshments in Paradise C</p> <p>3:45 – 5:00 <b>Concurrent Session B</b></p> <p><b>B1 Deer Creek Flood Protection Study</b> Len Madalon, MS, PE, EDM Incorporated <b>Success of Prop P in St. Charles – Stormwater and Parks Funding</b> John Boyer</p> <p><b>B2 Flood Predictor – Rapid Modeling &amp; Predicting Future Flood Risk</b> Jason Schneider, Stantec <b>SEMA Risk Map Update</b> Stephen Noe, Darryl Rockfield</p> <p><b>Vendor Reception</b></p> <p>Be sure to visit all of our Exhibitors and thank them for their support of our organization! Finger Foods and Bar (drink tickets/cash bar)</p> <p>7:00 – 10:00 <b>Hangout at Frank and Lola’s at the Resort Billiards, Pinball, Shuffleboard, and Card Games</b></p>	<p>Wingate 60/61</p> <p>Leeward 77</p> <p>Leeward 74/75</p> <p>Paradise C</p> <p>Wingate 60/61</p> <p>Nautical Wheeler</p> <p>Wingate 60/61</p> <p>Nautical Wheeler</p> <p>Paradise C</p>
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## Exhibitors and Sponsors

- SEMA – Flood Model
- SEMA/Wood – Continuous Workshop Using Flood Risk Data for Floodplain Management
- BFA
- HR Green, Inc.
- US Geological Survey
- Propex Geosolutions
- Floodproofing.com – Smart Vent
- Advanced Drainage Systems
- Kansas City US Corps of Engineers
- Big Bags USA

Generously sponsored by



8:00 - 9:00	<b>Continental Breakfast Plenary Session</b> <b>A Path to Flood Resilience in a Changing and Uncertain Climate</b> Elise Ibendahl, PE, PMP®, F.ASCE, CFM, Jacobs and Jeff Riepe, PE, CFM, MSD	Paradise C
9:00 – 9:15	<b>Break</b>	
9:15 – 10:30	<b>Concurrent Session C</b>	
<b>C1</b>	<b>Resilient Urban Stormwater Runoff Volume Control</b> Mark Joersz	Wingate 60/61
	<b>Nature Based Solutions for Streambank Armoring</b> Ben Campbell	
<b>C2</b>	<b>USACE Flow Frequency Analysis on the Missouri River Post 2019 Flood</b> Allen Chestnut, COE	Nautical Wheeler
	<b>Lower Missouri River Flood Risk Comprehensive Flood Protection Study</b> Jason Schneider, Stantec	
10:30 – 10:45	<b>Break</b>	
10:45 – 12:00	<b>Concurrent Session D</b>	
<b>D1</b>	<b>Hazus Loss Library</b> Shanna Michael	Wingate 60/61
	<b>Arlington County’s Flood Risk Assessment Management Plan-A Blueprint for Living with Water In a Changing Climate</b> Elise Ibendahl PE, PMP®, F.ASCE, CFM, Jacobs	
<b>D2</b>	<b>Understanding Active and Passive Floodproofing Options for Non-Residential Buildings in Special Flood Hazard Areas</b> Bryan Christopherson, CFM, Floodproofing.com	Nautical Wheeler
12:00 – 1:30	<b>Luncheon</b> <b>Becca Fricke-Croft, CFM, Atkins North America</b> Generously sponsored by USGS - Central Midwest Water Science Center	Paradise C

1:30 – 1:45	<b>Break</b>	
1:45 – 3:00	<b>Concurrent Session E</b>	
<b>E1</b>	<b>Upcoming Water Data Enhancements from the National Weather Service</b> Megan Terry, CFM	Wingate 60/61
	<b>Enhancements to the USGS Flood Inundation Mapper</b> David Heimann	
<b>E2</b>	<b>Mastodon Lake Project in Aurora, IL: An Isolated 100-yr Floodplain</b> Sam Keeven, PE, CFM and Charlie Pugh, PE, CFM, HR Green	Nautical Wheeler
3:00 – 3:15	<b>Break</b>	
3:15 – 4:45	<b>Concurrent Session F</b>	
<b>F1</b>	<b>Developing Pre-Disaster Substantial Damage Administration Procedures, ICC Funding</b> Todd Tucker, FEMA	Wingate 60/61
	<b>After the Flood – Quick Guide</b> Karen McHugh, CFM, SEMA	
<b>F2</b>	<b>Cedar Rapids Flood Control System</b> Phil Blonn, PE, CFM and Cole Deming, EIT, CFM, HR Green	Nautical Wheeler
	<b>Overcoming the Challenge of Understanding and Solving Urban Flooding</b> Elise Ibendahl, PE, PMP®, F.ASCE, CFM, Jacobs	
6:00 – 10:00	<b>BBQ &amp; Games</b> <b>Join us for a delicious BBQ and a host of games!</b>  Generously sponsored by	JB’s Boathouse Deck

