



**Welcome!**



# 14<sup>th</sup> Annual MAFSM Conference

Maryland Association of Floodplain and Stormwater Managers

Thursday, November 8, 2018

Maritime Institute | Linthicum Heights, Maryland



***High Tide in Dorchester*** is a film that encourages discussions and actions concerning sea level rise, erosion and climate change in Dorchester County, MD. The film creates a powerful, intimate story that looks at a worsening global threat through the lens of Chesapeake Bay's most vulnerable county.

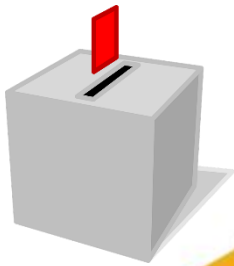
<https://hightidedorchester.org/>

<https://vimeo.com/252911985>



# MARYLAND ASSOCIATION OF FLOODPLAIN AND STORMWATER MANAGERS

# 2018 ASSOCIATION REPORT



## BOARD OF DIRECTORS

Jason Sevanick Durant, CFM, GISP—Chair

Benjamin Kaiser, P.E., CFM—Vice-Chair

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Michel Ney Sheffer, GISP, CFM—Central Regional Rep

Rebecca Calimer, EIT, CFM—Western Regional Rep

Necolle Maccherone, CFM—Programs Chair

Paul Slonac, CFM—Membership Chair

Mark D. James, CFM; Kevin G. Wagner—Mitigation Chairs

Laura Chap, P.E., CFM; Patrick Varga, CFM—Mapping and Technology Chairs

Benjamin Kaiser, P.E., CFM—Outreach and Public Relations Chair

Mary E. Roman, P.E., CFM; Lindsay DeMarzo—Stormwater Chairs

# SPRING CONFERENCE - EASTERN SHORE



Maryland Association of Floodplain and Stormwater Managers

**Eastern Shore**  
**spring event**  
 June 6, 2018




**People, Data, and Tools to Minimize  
 Flood Risk on the Eastern Shore**

## AGENDA

<i>Morning</i>	<i>Afternoon</i>
8:30 Coffee and refreshments	12:00 Networking lunch (provided)
9:00 <b>Setting the Stage</b> <i>Dr. Michael Scott, Salisbury University</i>	1:00 <b>Video: High Tide in Dorchester</b>
9:30 <b>CoastSmart Program</b> <i>Sasha Land, Maryland DNR</i>	1:20 <b>Floodplain Mapping in Maryland: More Than Just Maps</b> <i>Dave Guignet, Maryland Department of the Environment</i>
9:45 <b>Eastern Shore Climate Adaptation Partnership</b> <i>Brian Ambrette, Eastern Shore Land Conservancy</i>	1:50 <b>ESRI Story Map</b> <i>Mike Herzberger, Maryland Environmental Service</i>
10:15 <b>Understanding HAZUS Data</b> <i>Jason Sevanick, Wood</i>	2:30 <b>Facilitated Discussion: How can we work together?</b> <i>Amy Moredock, Kent County Government</i>
10:30 Break	3:00 Networking and refreshments
10:45 <b>State Hazard Mitigation Plan and Hazard Mitigation Grant Programs</b> <i>JaLeesa Tate, Maryland Emergency Management Agency</i>	3:30 Event closed
<b>Local Hazard Mitigation Planning and Vulnerability Assessments</b> <i>Ginny Smith, Smith Planning &amp; Design</i>	



**Chesapeake College**  
 Eastern Shore Higher Education Center, Room 110 | 1000 College Circle, Wye Mills, Maryland 21679

## EDUCATION

2



Lunch and Learns

7



3D Flood Simulator  
Model Demonstrations

1



Certified Floodplain  
Manager Exam

1

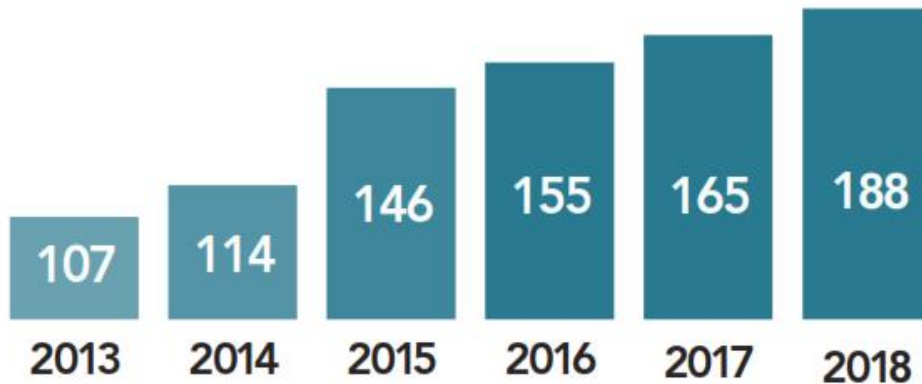


NFIP Training Workshop

## ANNUAL CONFERENCE

	2015	2016	anticipated 2018
ATTENDEES	155	165	188
SPONSORS & EXHIBITORS	11	11	9
SESSIONS	40	33	31

## MEMBERSHIP

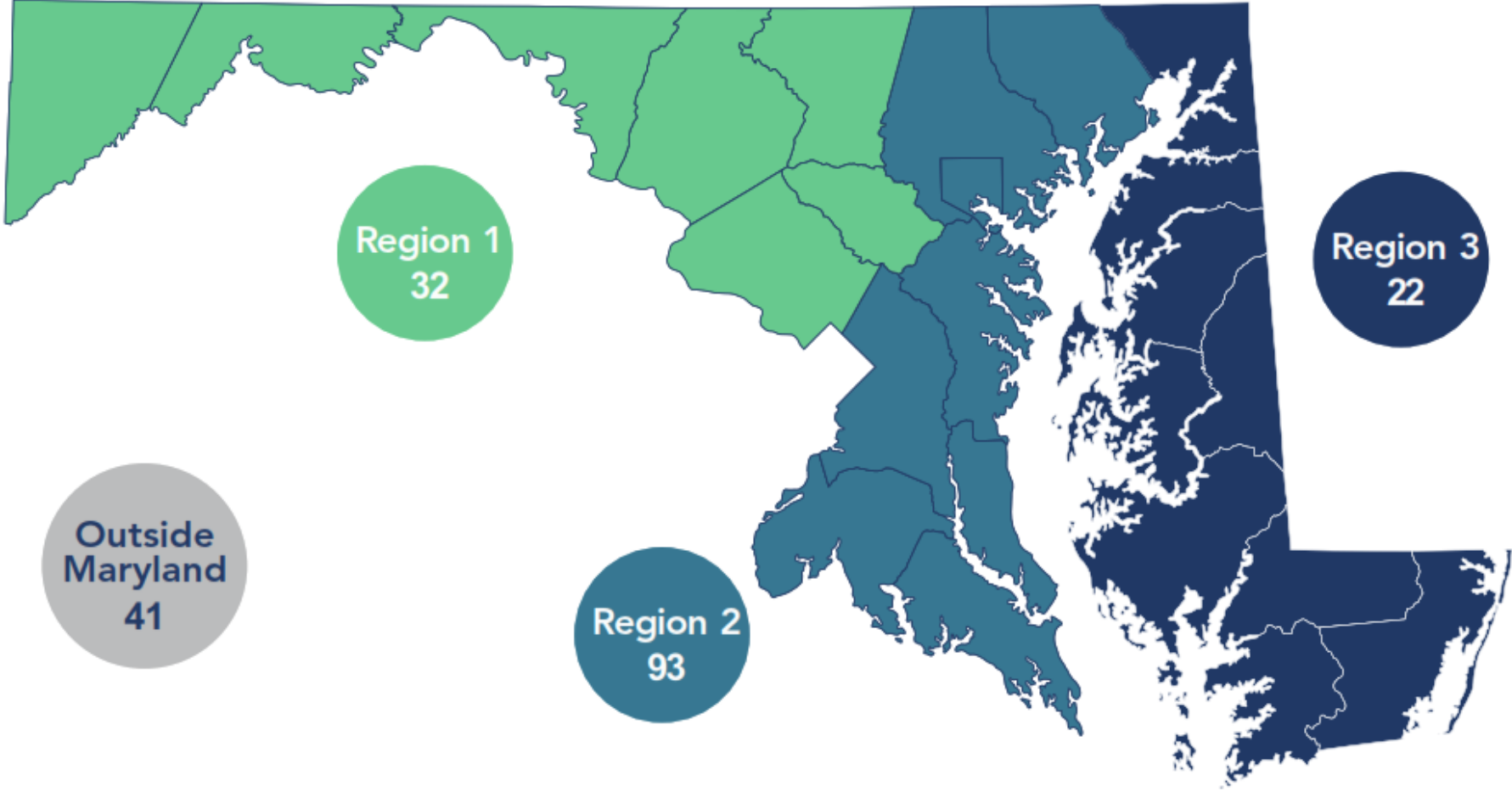


## SCHOLARSHIPS



*MAFSM Annual Conference*

# MEMBERSHIP



# COMMUNICATIONS & CONTRIBUTIONS

**Maryland Resiliency Partnership**  
Working together to create a more resilient Maryland

Home Funding Events How We Can Help

Resiliency is...  
...the ability to prepare for and adapt to changing conditions and withstand and recover rapidly from disruptions.

**Who We Are**  
The Resiliency Partnership is a collaboration of public and private partners to leverage funding, personnel, and projects to support efforts that mitigate hazard mitigation, floodplain management, and coastal and climate resiliency.

**Why We're Here**  
The damages and impacts resulting from natural hazards present a substantial threat to economic vitality, infrastructure, cultural and historic resources, and public safety.

**The Partnership**  
Resiliency Partnership members support and encourage activities throughout the state that promote resiliency in the coastal and inland floodplains.

**November**

- Maryland Association of Floodplain and Stormwater Managers 14th Annual Conference
- Non-Regulatory Flood Risk Products Technical Training

**December**

- Community Rating System Workshop

**Learn More >**

**December 13, 2018**  
Community Rating System Workshop  
State of Maryland

**November 30, 2018**  
Non-Regulatory Flood Risk Products Technical Training  
State of Maryland

**November 29, 2018**  
Non-Regulatory Flood Risk Products Technical Training  
State of Maryland

Logos for FEMA, MTA Maryland, and various state agencies.

resiliencypartnership.com

**Runoff Review**  
June 2018 Volume 13, Issue 1

An official publication of the Maryland Association of Floodplain and Stormwater Managers

**Spring conference on the Eastern Shore**  
The Maryland Association of Floodplain and Stormwater Managers hosted our first spring conference on Wednesday, June 6, 2018, at Chesapeake College in Wye Mills, MD. The theme was "People, Data and Tools to Minimize Flood Risk on the Eastern Shore." The conference featured many interesting presentations and was a great opportunity to network and share ideas on floodplain and stormwater management.

**Save the date: MAFSM's annual conference**  
The 14th Annual MAFSM Conference will take place on Thursday, November 8, 2018, at the Maritime Institute in Linticum, MD. We're excited to announce that the keynote speaker will be Harriet Festing, Executive Director of Anthropocene Alliance. Harriet has been managing award-winning programs that tackle climate change for 25 years. Her diverse experience spans water, energy, agriculture, and housing and government, non-profit, and academic sectors in the United States and United Kingdom.

**Poolled monitoring: A novel approach to funding research on restoration versus site- and project-specific monitoring**  
Sadie Drescher, Chesapeake Bay Trust

Restoring the water quality and habitat in Chesapeake Bay and its tributaries will require increasing the number of watershed-level projects significantly. Questions persist in the regulatory and restoration practitioner communities about the performance and function of the restoration practices that delay the implementation of projects. As a result, the Poolled Monitoring Program was initiated to speed up, increase confidence in, and improve cost effectiveness of restoration projects by helping to get answers to questions from regulatory and practitioner communities on stormwater and stream restoration practices that can delay project implementation.

**Conowingo Dam by YukunKing**

We are currently accepting abstracts (deadline is August 13) and we encourage you to submit! Topics should be related to stormwater and floodplain management in Maryland or other areas in the United States. Abstracts on the following topics will be considered:

- Floodplain management/mapping
- Stormwater management
- Mitigation
- Climate Change
- Outreach
- Other

Over the last several years, regulatory and practitioner communities have articulated pressing questions about restoration practices. Examples are questions about cumulative impacts of restoration practices on a watershed scale, differences in the efficacy of stream restoration techniques, trade-

MAFSM Newsletter, June 2018 We're on the Web! See us at <http://www.mafsm.org> page 1 of 8

Runoff Review Newsletter  
(June 2018)



# Special Thanks

Floodplain Management Training (Nov 7<sup>th</sup>)



**AECOM**

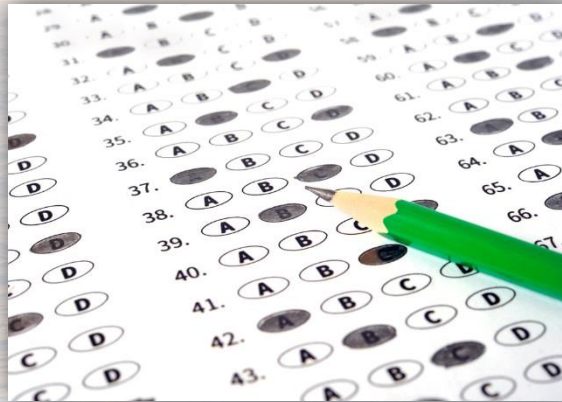
**ATKINS**



**Maryland**  
Department of  
the Environment

# Special Thanks

**CFM Exam (Nov 9<sup>th</sup>)**



**Michael Baker**

**INTERNATIONAL**

# Special Thanks

**AECOM**

**Michael Baker**  
INTERNATIONAL



 **Stantec**

**wood.**

# Special Thanks



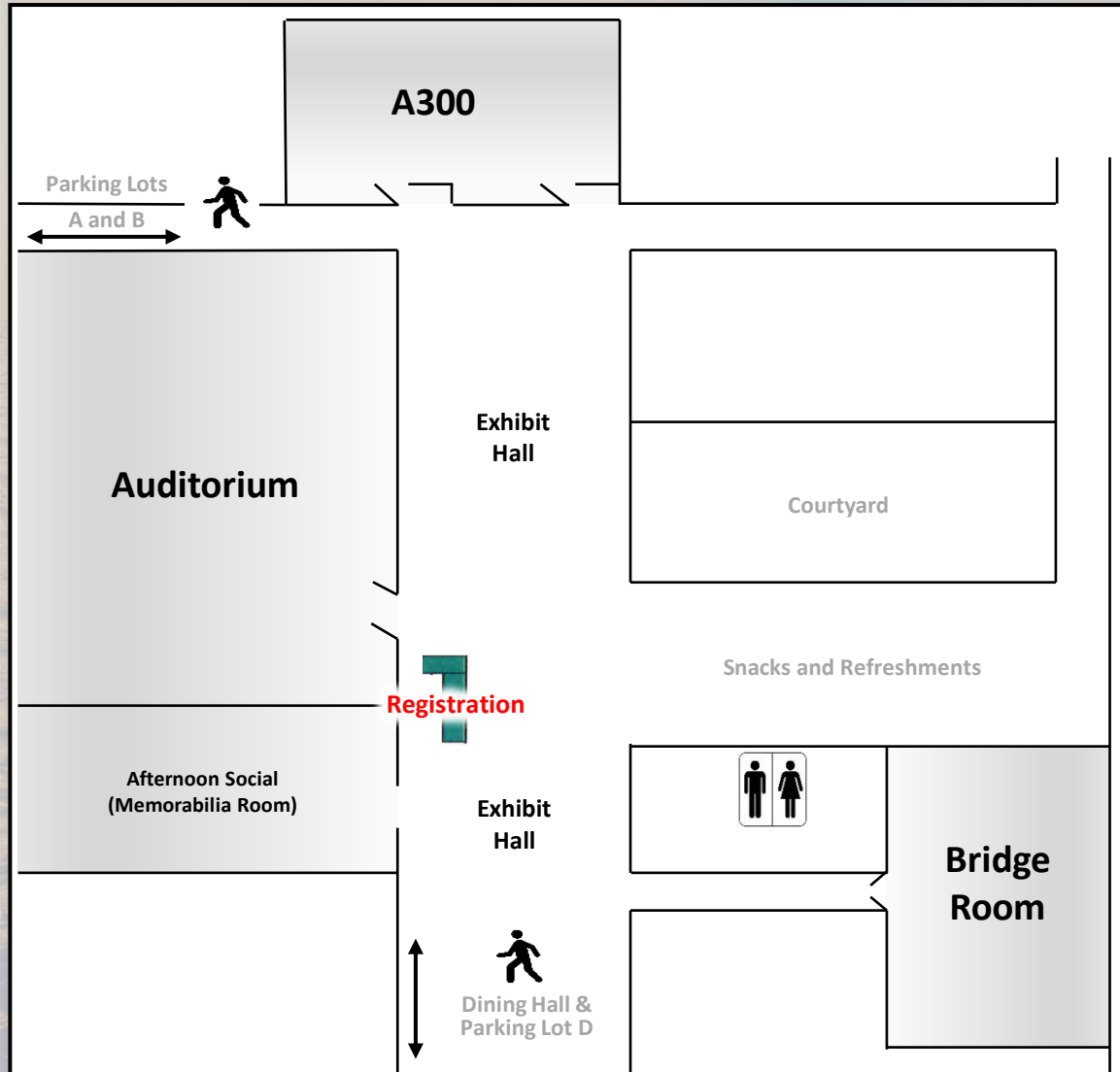
**AECOM**



	AUDITORIUM	ROOM A300	BRIDGE ROOM
7:30–8:30	<b>REGISTRATION</b>		
8:30–9:30	<b>Conference Kickoff</b> Jason Sevanick Durant, CFM <i>Wood</i>  <b>Featured Speaker "Flood Forum USA"</b> Harriet Festing <i>Anthropocene Alliance</i> <i>Flood Forum USA</i>		
9:30–9:45	<b>BREAK</b>		
9:45–10:45	<b>Comparing Handbook Curve Number Values to Measured Data</b> Laura Chap, PE, CFM <i>Atkins</i>	<b>What's New in Mitigation Planning</b> Amanda Sharma, MBA, MRLS, CFM <i>FEMA HQ</i> Shubha Shrivastava <i>FEMA HQ</i>	<b>A Distributed 2D Modeling Approach to Watershed SCS Peak Rate Factors</b> David Hostetler, PE <i>Rummel, Klepper &amp; Kahl, LLP</i>
	<b>Ice Jam Modeling – Case Study of Conococheague Creek in Washington County, Maryland</b> Jason Coleman, PE <i>Rummel, Klepper &amp; Kahl, LLP</i>	<b>The State of Mitigation in Maryland</b> JaLeesa Tate, CFM <i>Maryland Emergency Management Agency</i>	<b>Optimizing Stormwater Storage</b> Tomas Concepcion, PE <i>AECOM</i> Conor Lewellyn, PE, CFM <i>OptiRTC</i>
10:45–11:00	<b>BREAK</b>		
11:00–12:30	<b>Base Level Engineering Analysis - Application of Rain on Grid Method, a Case Study Using HECRAS-2D</b> Tucker Cottrell, EIT, CFM <i>Stantec, Inc.</i> Maxwell Lindsay, EIT <i>Stantec, Inc.</i>	<b>Telling the Climate Change Story: Data Collection, Management and Integration</b> Lisa Craig <i>Michael Baker International</i> Bradley Dean, CE <i>Michael Baker International</i>	<b>Adapting Stormwater Management to Coastal Floods</b> Maria G. Honeycutt, PhD, CFM; et al. <i>NOAA Office for Coastal Management</i>
	<b>2-Dimensional Urban Floodplain Modeling: A Case Study of Smokes Creek, Erie County NY</b> Brett LaPlante, PE, P.Eng., CFM <i>Stantec, Inc.</i>	<b>Balancing Flood Protection and Historic Preservation with the Flood Mitigation Guide: Maryland's Historic Buildings</b> Jennifer Sparenberg, CFM <i>Maryland Historical Trust</i>	<b>Designing for Urban Coastal Resiliency</b> Margaret Hopkins, PE <i>AKRF, Inc.</i>
	<b>Two-Dimensional Floodplain Modeling in Downtown Baltimore</b> Sravan Krovidi, PE, CFM <i>Wood</i>	<b>Protecting the Past – Preservation-based Hazard Mitigation</b> Andrew Estrain <i>Vision Planning and Consulting, LLC.</i>	<b>Underwater: Rising Seas, Chronic Floods, and the Implications for Maryland's Real Estate and Our Coasts</b> Shana Udvardy <i>The Union of Concerned Scientists</i>
12:30–1:30	<b>LUNCH (PRIVATE DINING ROOM AT THE BACK OF THE DINING HALL)</b>		

	AUDITORIUM	ROOM A300	BRIDGE ROOM
1:30–2:10	<b>MAFSM Election Results</b>	Closed	Closed
1:30–2:10	<b>Living Floodplains: Combining FEMA and State Waterway Construction Permit Requirement Processes and Keeping Communities Informed</b> Dave Guignet <i>MD Dept. of the Environment</i>		
2:10–2:15	<b>QUICK BREAK</b>		
2:15–3:15	<b>An Introduction to NOAA's National Water Model</b> Jennifer McGee, PE, CFM, GISP <i>Wood</i>	<b>Strategies for Success in Communicating Flood Awareness: Planning Public Meetings</b> Lisa Craig <i>Michael Baker International</i>	<b>Substantial Damage Administrative Procedure</b> Heather Davis-Jenkins, CFM <i>Federal Emergency Management Agency</i> Kevin G. Wagner <i>MD Depart. of the Environment</i>
	<b>Sizing Up Floods from Space</b> J. Carver Struve, CFM, AEM, ABCP <i>On Contract to NASA HQ from AI Solutions</i>		<b>Hurricane Harvey Relief – A Summary of Relief Efforts Along the Gulf Coast and Houston Metro Area Under FEMA's New Public Assistance Program Delivery Model</b> Jennifer Lewis <i>Wood</i>
3:15–3:30	<b>BREAK</b>		
3:30–5:00	<b>NAVD 88 No More: A Modernized Vertical Datum for the Future</b> Christine Gallagher <i>NOAA's National Geodetic Survey</i>	<b>Bipartisan Call for Federal Action: Flood-Resilient Infrastructure Statement of Principles</b> Evan Chapman <i>The Pew Charitable Trusts</i>	<b>The Chesapeake Bay Trust Awards – Support for Restoration, Research, Outreach, Environmental Education, Capacity Building, and More!</b> Sadie Drescher <i>Chesapeake Bay Trust</i>
	<b>Using LiDAR Data to Support Letters of Map Amendment (LOMAs): When an Elevation Certificate May Not Be Needed</b> Andrew N. Brown, CFM <i>Michael Baker International</i>	<b>Getting from Science to Decision Making</b> Jim Bass <i>Eastern Shore Land Conservancy</i>	<b>Case Studies of Floodplain and Stream Restoration (FSR) Projects and their Potential Use for Flood Hazard Mitigation and Community Resilience</b> Rich Pfingsten, PWS <i>Stantec, Inc.</i>
	<b>It Won't Happen To Me! The Risks of Going Uninsured</b> Carl Davis, CFM <i>AECOM</i> Rebecca Starosta, PE, CFM <i>AECOM</i>	<b>How to Write an Operations Plan and Leverage a Community of Practice for Effective Long-Term Programmatic Planning and Success</b> Alix Shutello, CFM <i>LEAPFROG SOLUTIONS</i>	<b>Bacteria Total Maximum Daily Loads</b> Manasa Damera, PE, CFM <i>AECOM</i>
5:00	<b>ATTENDANCE PRIZE AWARDED</b>	<b>ATTENDANCE PRIZE AWARDED</b>	<b>ATTENDANCE PRIZE AWARDED</b>
5:00–6:00	<b>NETWORKING SOCIAL EVENT</b> in the memorabilia room adjacent to the registration area. please join us for complimentary appetizers and refreshments!		

# Room Overview



# Lunch



**It ain't over 'til it's over...**



**Drawings held in each room  
during final afternoon session.**



[www.mafsm.org](http://www.mafsm.org)





## **Networking Social – Memorabilia Room**

*Join us for complimentary appetizers & beverages*

5pm – 6pm



[www.mafsm.org](http://www.mafsm.org)

# CERTIFICATE OF ATTENDANCE

## Maryland Association of Floodplain and Stormwater Managers 12th Annual Conference 2016

**6 Core Continuing Education Credits from ASFPM**

*awarded to:*

### 2. Please give an overall rating of the following conference content:

	Excellent	Very Good	Good	Fair	Poor
Value of Attending	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Quality of the Meeting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Opportunities to Network	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please Explain

Certificates and Survey coming  
by email after the conference



# Keynote Presentation...



## Harriet Festing

*Executive Director of  
Anthropocene Alliance (Aa)*

Flood Forum USA

