



IAFSM

*Illinois Association for
Floodplain and Stormwater Management*

2017 Annual Conference

**Wednesday & Thursday
March 8 & 9, 2017**

Crowne Plaza Hotel
Springfield, Illinois

Questions: Sarah Harbaugh
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LOCATION AND LODGING

Location: The conference is at the Crowne Plaza Hotel, 3000 South Dirksen Parkway, Springfield, Illinois,

Lodging: Lodging is available at the special conference rate of \$125. A limited number of rooms are available at the state government rate with government ID.

Although it is understood that the area around the conference hotel has a variety of hotels for you to choose from, the IAFSM has made a financial commitment to the Crowne Plaza Hotel as the conference venue. Please support IAFSM by making the **Crowne Plaza Hotel** your first choice for overnight stay, in order to help fill our block. (Group Code: D0Z, Corporate ID IATA# 99801505)

Space is limited, especially for the rooms at the state government rate. To reserve your room at the special conference rate of \$125, use the link below or call the hotel front desk at 217-529-7777 and note that your reservation is in association with the Illinois Association for Floodplain and Stormwater Management. To reserve your room at the state government rate while those rooms are available, do not use the link below; you will need to call and request to book at the state rate.

Use this link to book your stay at the special conference rate: <http://tinyurl.com/iafsm-2017>

REGISTRATION

Registration: Registration covers lunches, breaks, materials and your 2017-2018 IAFSM membership. **Discount on or before February 5, 2017 (\$410).** If you register after February 5th the cost for the conference is \$470. The deadline for registrations and cancellations is February 19, 2017. No refunds after February 19, 2017. *In past years we had to turn away late registrants. Register early to make sure you don't miss out.*

Please follow the link below to register on-line.

<https://www.123signup.com/register?id=nmrds>

EXHIBITORS & SPONSORS

Exhibitors: Companies and organizations will exhibit their products, services, and activities all day Wednesday and through the Wednesday evening social hour. Exhibitor cards can be completed by participants. Thursday during lunch there will be a drawing of returned completed cards to select door prize winners.

Sponsors: We invite you to be a sponsor for the annual conference or donate a door prize. All sponsors will be identified in the conference program, at plenary sessions and during the awards luncheon along with newsletter advertising benefits. For a complete listing of Sponsor benefits please contact Sarah at IAFSM@illinoisfloods.org.

	On or before February 5	After February 5, before Feb 19
Exhibitor Fee	\$750	\$850
Registration Fee	\$410	\$470
Full Time Student Registration Fee (2 day conference) Please contact Sarah Harbaugh at iafsm@illinoisfloods.org to arrange for this special rate)	\$165	\$165
Full Time Student Registration Fee (half day sessions - no meals) Please contact Sarah Harbaugh at iafsm@illinoisfloods.org to arrange for this special rate)	Free	Free

CFM EXAMINATION

The Certified Floodplain Manager exam will be conducted at the Crowne Plaza Hotel (Ruby Room 2nd floor) on Tuesday, March 7, 2017 from 5:00 – 8:00 PM. If you want to take the Floodplain Manager Certification Exam on March 7, 2017 the **ASFPM** must receive the CFM application packet and fee by February 21st. The application packet is available on our website, www.IllinoisFloods.org.

COMMUNITY RATING SYSTEM (CRS)

CRS: CRS one on one meetings will not be held this year. If you wish to be contacted please send an email to Lou Ann Patellaro: lpatellaro@iso.com

CEC's & PDH's

Certified Floodplain Managers – CECs:

10 Continuing Education Credits are provided toward the requirements for Certified Floodplain Managers for attending both days of the conference. Attendance is reported directly to the CFM Database.

Professional Engineering - PDHs: Full conference attendance provides 12 Professional Development Hours. Certificates can be picked up at the end of the conference.

Credit hours are subject to final program adjustment.

MOBILE APP

The CrowdCompass mobile app will be used again this year, providing smart content and increased engagement opportunities to enhance your conference experience.

Event URL: <https://crowd.cc/iafsm-2017> **App Download URL:** <https://crowd.cc/s/ntAo>



EXTREME EVENT WORKSHOP (Session 3A)

New for the 2017 Annual Conference! Koshland Science Museum of the National Academy of Sciences Extreme Event Workshop! The Extreme Event Game is a hands on role-playing game that gives participants a taste of what it takes to build community resilience in the face of disaster. Players work together to make decisions and solve problems during this engaging, fast-paced disaster simulation. Koshland staff (Keri and Nell) will facilitate an hour-long run-through of the entire Extreme Event: River City game allowing conference participants to get a feel for the game play. After the final phase of the game, which includes a debrief and discussion of key concepts, Keri and Nell will open the floor for discussion related to how the game can be used in participants own communities and organizations. After the conference these game materials will be available on loan to IAFSM Members to use in outreach to their schools and communities (like we already do the floodplain models). Come have fun and learn how to use this award winning outreach tool! For more information see: <https://www.koshland-science-museum.org/explore-the-science/extreme-event>.

A special thanks to our sponsors to date:

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We look forward to viewing these
early bird exhibitors



Hey and Associates, Inc.



Tuesday, March 7, 2017 (PRE CONFERENCE)

5:00 p.m. to 8:00 p.m. CFM Exam: The Certified Floodplain Manager exam will be conducted in the **Ruby Room (2nd Floor)** at the Crowne Plaza Hotel in Springfield. See IAFSM's website for the application for the CFM exam, www.IllinoisFloods.org. Applications must be received by February 21, 2017.

9:00-3:00 NFIP 101 (Sapphire Room – 2nd Floor) (More information will be sent out soon)

Wednesday, March 8, 2017

8:00 am Registration
Exhibits and continental breakfast - Exhibits hall

9:00 am **Plenary Session**

- Welcome
- Lincoln performance
- Illinois Stewardship Alliance

10:10 am Break - Exhibits Hall

10:30 am **Concurrent Session 1**

1A Local Officials

- NFIP Basics
- LOMC Basics
- Insurance Basics

1B Advanced Topics

- HECRAS 2D: Are you ready for the revolution in the world of floodplain modeling?
- Multi-Agency Development and Use of a Reservoir Model for the Fox Chain of Lakes using HEC-ResSim
- Aspirin for Floodplain Managers: Hydrologic and Hydraulic Modeling of Flood Risk Reduction Alternatives

1C Floodplain

- Mitigation Grant Applications and Administration – Lessons Learned from the Des Plaines Buyout Program
- Speaking with one voice on flood risk and floodplain mgmt.
- USACE levee inspection program

1D Outreach

- Talking About Water: Survey Results Help Us Communicate to Residents
- Engaging the Public through online platforms
- Flood Survey Report – Documentation of Historic April 2013 Flooding in Northeastern Illinois

12:00 pm Lunch

- Everything I Know About Floodplain Management I Learned in the Army– French Wetmore

1:30 pm

Concurrent Session 2

2A Local Official

- Local Official Roundtable

2B Big Rivers

- DuPage River Flood Risk Management Study: The USACE Approach for Benefit Cost Analysis
- Re-evaluating Flood Hazard Designs at Critical Infrastructure along the Mississippi River
- “Five Feet High and Rising” Certifying the City of St. Louis’ Flood Protection System

2C Planning

- Eight Years in the Making: Flood Recovery and Protection 2008-2016 in Coralville, IA
- Strategies for Smart Growth and Long-term Flood Risk Reduction: a case study in Tipton, Indiana
- One Watershed, One Plan: A Case Study of Integrated Watershed Planning for Multiple Benefits

2D Regulations

- Evaluating Release Rates for Specific Watersheds in Cook County
- IDNR/OWR Downstate Permit Overview
- General NPDES Permit ILR40 for Discharge from Small Municipal Separate Storm Sewer Systems

3:00 pm

Break - Exhibits Hall

3:20 pm

Concurrent Session 3

3A Local Officials

- Extreme Event Workshop

3B New Technology

- Utilizing Unmanned Aircraft Systems (Drones) for Infrastructure & Riverine Modeling
- ComEd Flood Mitigation - Technology for Response
- Estimating Peak flows for Ungaged Streams, using Trail Camera Images

3C Dams Levees

- Analyzing Embankment Risk to Joliet, Illinois Using FEMA’s Natural Valley Procedure
- Analyzing and Mapping Upstream Embankment Risk Using Modified Natural Valley Analysis and 2-D Overland Flow Modeling
- Lake Springfield's Spaulding Dam: How does it work? What if it doesn't?

3D Stormwater

- Performing a Desktop Analysis to Justify Funding a Sustainable Stormwater Asset Management Program
- Sioux City’s Ravine Park – Watershed-Scale Stormwater Improvements with Innovative Funding
- Touchdown: Satisfying Volume Control Requirements for Ryan Field West Parking Lot Reconstruction

4:50 - 6:30 pm Social Hour - Exhibits Hall

Thursday, March 9, 2017

- 7:30 am IAFSM Board Meeting
Registration & Continental Breakfast
- 9:00 am **Plenary Session**
- Dr. General Gerry Galloway
 - State Agencies Reports
- 10:10 am Break
- 10:30 am **Concurrent Session 4**
- 4A Local Official**
- Inundation Mapping for Unprotected Communities on the Mississippi River
 - Redevelopment in urban flood prone areas
 - MS4 Programs: Quality, the Other Stormwater “Q”
- 4B Wetlands**
- Constructed Wetlands to Reduce Nutrients From Cropland Runoff: Implications for Urban Stormwater
 - Ravine 8 Ecosystem Restoration Project
 - Case Study - Bank Stabilization, Flood Reduction and Water Quality Improvement Design Build Project
- 4C Infrastructure/BMP**
- Managing Stormwater and Saving Money in Urban Transportation Corridors with Green Infrastructure
 - Wescott Park, Village of Northbrook: Underground Stormwater Storage Facility and Rainwater Harvesting System
 - Hydrologic monitoring of urban stormwater green infrastructure best-management practices at two Chicago Public Schools
- 4D Legislation**
- Topsoil Preservation Initiative
 - Estabrook Dam Improvement, from repair to removal
 - So you Think You're an Expert?
- 12:00 pm Lunch
- Awards
 - Old/New Board Members
 - Lifetime Achievement Award Recipient Recognition
 - Vendor Door Prizes
- 1:30 pm **Concurrent Session 5**
- 5A Local Officials**
- CRS (Community Rating System)
 - City of Des Plaines CRS Program Evaluation

5B Mitigation

- The RainReady Approach: New Decision-Making Tools for Communities and Homeowners
- Flood Vulnerability Assessment for Critical Facilities
- MWRDGC's Flood Prone Property Acquisition Program

5C Climate Change/Urban Flooding

- Incorporating Climate Change and Extreme Weather into Planning and Capital Improvements
- Climate Adjusted Rainfall – Hydrologic Design for Illinois' Future
- Explicit simulation of green infrastructure for flood control using two-dimensional surface routing

5D Stormwater Modeling

- Tackling Chicago's Urban Stormwater Challenge
- Kenilworth 2023 Infrastructure Improvements – Green Streets Modeling
- Village of Kenilworth Green Streets: combining porous asphalt and permeable parkways to reduce flooding in a combined sewer area.

1:30 - 5:00 pm RAFT Training (offsite visit, includes extra PDH's)

3:00 pm Adjourn