



IAFSM

Illinois Association for
Floodplain and Stormwater Management

2023 Annual Conference

**Tuesday & Wednesday
March 14 & 15, 2023**

Tinley Park Convention Center
Tinley Park, Illinois

Questions: Sarah Harbaugh
IAFSM Executive Secretary

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or 630/443-8145

www.IllinoisFloods.org

LOCATION AND LODGING

Location: The conference is at the Tinley Park Convention Center
18451 Convention Center Dr, Tinley Park, IL 60477, <http://www.evenhotels.com/chitinleypark>.

Lodging: A special conference rate of \$145 plus tax, for a standard room, per night, has been established at the Even Hotel. Guests can book a room at our conference rate in one of the following ways:

- By calling the front desk at 708-444-1100 and referencing the IAFSM Conference, or group code AFS
- By going on their website <http://www.evenhotels.com/chitinleypark> , entering your stay dates & group code AFS.

If you are requesting a state/government rate you will need to contact the hotel directly. they typically have a limited number of those rooms so make your reservation early.

Registration: Registration covers lunches, breaks, materials and your 2023-2024 IAFSM membership. **Discount through February 24, 2023 (\$430).** We are extending our early bird rates for the entire registration period. The deadline for registrations and cancellations is February 24, 2023.

Please follow the link below to register on-line.

<https://www.illinoisfloods.org/meetings/register/options/1026>

EXHIBITORS & SPONSORS

Exhibitors: Companies and organizations will exhibit their products, services, and activities all day Tuesday and through the Tuesday evening social hour. Exhibitor cards can be completed by participants. Wednesday 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.

Exhibitor Fee (Closed)	\$800
Registration Fee	\$430
Full Time Student Registration Fee (2 day conference) Student must be enrolled in at least 6 credit hours to qualify for this rate.	\$75
Full Time Student Registration Fee (half day sessions - no meals) Student must be enrolled in at least 6 credit hours to qualify for this rate.	Free

COMMUNITY RATING SYSTEM (CRS)

CRS: Lou Ann Patellaro, ISO will be exhibiting this year. If you are interested in the CRS or have questions, please visit her at her booth in the exhibitor hall.

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

We will once again have a mobile app for the conference. Stay tuned for more details as the conference date gets closer.

SILENT AUCTION

This year at the Illinois Association for Floodplain and Stormwater Management conference a silent auction to be held. All proceeds from the silent auction will go towards the Association of State Floodplain Managers Foundation (ASFPM) Future Leaders Scholarship fund ([ASFPM Foundation](#)). Supporting of Future Leaders is imperative and The ASFPM Foundation Future Leaders Scholarship has been established to provide financial support, mentoring and professional opportunities to undergraduate students who will grow to advance the vision of the ASFPM Foundation. If you or your organization are able to donate something please contact Dallas Alley (alley@cofh.org) so that he can coordinate logistics with you.

Tuesday, March 14, 2023

- 8:00 am Registration
Exhibits and continental breakfast - Exhibitor hall
- 8:00 – 9:00 am Young Professionals Meet-and-Greet Table (designated table in Exhibit South)
- 9:00 am **Plenary Session**
- Welcome
 - Dr. John Foley, Project Drawdown
- 10:10 am Break - Exhibitor Hall
- 10:30 am **Concurrent Session 1**
- 1A Floodplain Management**
- ❖ How to Calculate Structural Flood Damages
 - ❖ The Multiple Benefits of Floodplain Easements: An Assessment of Demand for Floodplain Easements in the Upper Mississippi River Basin
 - ❖ Multi-Benefit Floodplain Development in Illinois? A Workshop for the Private Sector
- 1B Urban Flooding**
- ❖ An Urban Flooding Case Study: The Village of Bedford Park
 - ❖ Reducing Urban Flooding in Oak Lawn
 - ❖ South Shore Community Resilience Plan: A New Model for Shoreline Resiliency
- 1C Stormwater Management**
- ❖ Value Engineering and Strategic Timing to Move Forward with a Gully Erosion and Stormwater Project
 - ❖ The School Springs Mitigation and Restoration
 - ❖ Replacement of the Nettle Creek Aqueduct
- 1D Riverine Flooding**
- ❖ From Modeled to Mapped: How to Delineate a Floodplain
 - ❖ Fullersburg Dam Removal & Salt Creek Restoration
 - ❖ Stratton-Bolger Lock & Dam Project: The Engineering & Construction of a Key Water Control Structure for Illinois
- 12:00 pm Lunch
- Lifetime Achievement Award
 - ASFPM Foundation & Scholarship Program
- 1:30 pm **Concurrent Session 2**
- 2A Green Infrastructure**
- ❖ Green Infrastructure Guidelines for Transportation Projects
 - ❖ Constructed Wetlands to Reduce Nutrients From Cropland Runoff: Implications for Urban Stormwater – Design and Construction Considerations
 - ❖ Alternative Procurement Strategies for Green Infrastructure
- 2B Stormwater Management**
- ❖ City of Wood Dale – Ward 2 & 3 Stormwater Improvements
 - ❖ Kenilworth Green Streets Phase II
 - ❖ What's in a Distribution? A Comparison of Stormwater Ordinances
- 2C Climate Change**
- ❖ South Florida's Response to Predicted Sea Level Rise
 - ❖ Resources for Equitable Flood Resilience

- ❖ Flood Resilient Infrastructure and Regulatory Requirements in a Changing Climate

2D Flood Insurance/Community Rating System

- ❖ Community Rating System (CRS) Program Credits and Activities
- ❖ RR 2.0 Top Myths & Facts - Helping Floodplain Mangers Better Understand Risk Rating 2.0
- ❖ Update of Silver Jackets Projects

1:30 – 3:30pm **Field Trip - Construction of Addison Creek Reservoir**

3:00 pm Break - Exhibitor Hall

3:20 pm **Concurrent Session 3**

3A Floodplain Management

- ❖ IDNR Office of Water Resources Permit Program for NE Illinois
- ❖ Floodplain Management - The Basics (1 hour presentation)

3B Stormwater Management

- ❖ Impacts of Watershed Specific Release Rates on Disproportionately Impacted Communities in Cook County
- ❖ St. Peters, MO Willott Road
- ❖ The Fresh Coast Protection Partnership- Green Infrastructure Implementation in the Milwaukee Metropolitan Region

3C Modeling/Regulations

- ❖ Value Added 3D Modeling – Eagle Creek Flood Risk Reduction Project
- ❖ IAFSM Recommendations for H&H Modeling
- ❖ HEC-RAS 2D as a tool for stream restoration design and permitting

3D Legislation

- ❖ IAFSM Legislation Committee Workshop (90-minute Session)

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

6:30 -7:30 pm Young Professionals After-Hours

Wednesday, March 15, 2023

7:30 am IAFSM Board Meeting
Registration & Continental Breakfast

7:30 – 9:00 am Young Professionals Meet-and-Greet Table (designated table in Exhibit South)

9:00 am **Plenary Session**

- Erica Gies, Author of Water Always Wins: Thriving in an age of drought and deluge.

10:10 am Break

10:30 am **Concurrent Session 4**

4A Wetlands

- ❖ Joint Permitting - What Should be in your USACE Submittal
- ❖ Urban Stream and Wetland Restoration – Lessons from Heritage Park on Buffalo Creek, Buffalo Grove, IL
- ❖ The Wild Mile

4B Urban Flooding

- ❖ Developing an Urban Flood Detection and Warning Network Using Low-Cost, Low-Power Sensors
- ❖ Land on the Run: Landslide Mitigation & Ravine Slope Stabilization in Bull Creek.
- ❖ 2-Stage Ditch Project in Dyer, IN

4C Stormwater Management/Water Quality

- ❖ Wilmette Stormwater Action Plan - Planning and Implementation of the Largest Capital Project in the Village's History
- ❖ Alternative Approach to Native Maintenance Program Management
- ❖ BMPs to Control Peoria Combined Sewer Overflows (CSOs)

4D Rainfall Technical Analysis

- ❖ What shape is your rain? A case study of precipitation distributions.
- ❖ New At-Streamgage Quantiles and Regression Equations for Estimating Peak-Flow Quantiles in Illinois
- ❖ Hydrology / Meteorology Outreach using the WARDS watershed model

12:00 pm

Lunch

- Awards Luncheon
- Vendor Door Prizes

1:30 pm

Concurrent Session 5

5A Stormwater Management

- ❖ Volume Control: Alternatives to Infiltration
- ❖ Infrastructure Investments in Lake County Part 1: The Unofficial Guide to Getting Grants
- ❖ Mahoney Creek Watershed Planning and Project Implementation: Batavia, IL

5B Floodplain Management

- ❖ How to Complete a Substantial Damage/Substantial Improvement Evaluations (1 hour presentation)
- ❖ LOMR Common Application Issues and Community Sign Off Considerations

5C Stormwater Management

- ❖ FEQ for the Municipal/Review Engineer (90-Minute Session)

5D Outreach

- ❖ What I Wish I Knew: Strategic career planning for new engineers
- ❖ Building Inclusive Partnerships Through Effective Outreach and Engagement
- ❖ Life Lessons from a Major Golf Course Renovation on an Existing Landfill

1:30 – 3:00pm

Field Trip - Lake Lorin Shore Stabilization and Habitat Restoration

3:00 pm

Adjourn