



# IAFSM

*Illinois Association for  
Floodplain and Stormwater Management*

## **2019 Annual Conference**

**Wednesday & Thursday  
March 13 & 14, 2019**

Embassy Suites by Hilton  
East Peoria Riverfront  
Hotel & Conference Center  
East Peoria, Illinois

Questions: Sarah Harbaugh  
IAFSM Executive Secretary  
<mailto:iafsm@illinoisfloods.org>  
or 630/443-8145  
[www.IllinoisFloods.org](http://www.IllinoisFloods.org)

## LOCATION AND LODGING

**Location:** The conference is at the Embassy Suites by Hilton East Peoria Riverfront Hotel & Conference Center, East Peoria, 100 Conference Center Drive, East Peoria, IL 61611, (309) 694-0200.

**Lodging:** Lodging is available at the special conference rate of \$139 per night, through Feb 18. A limited number of government-rate rooms are available for those who qualify. Please call the hotel for further details. Visit [www.embassysuiteseastpeoria.com](http://www.embassysuiteseastpeoria.com). Enter the arrival and departure dates in the upper right corner, click "more options", and enter OOD in the group code box. Then, click the blue button to check rooms and rates. Room types with the \$139 rate should appear for selection. The government rate is not available through our group code box so you need to call the hotel directly. ***The hotel's reservation deadline for this rate is February 18th.***

## REGISTRATION

**Registration:** Registration covers lunches, breaks, materials and your 2019-2020 IAFSM membership.

**Discount on or before February 10, 2019 (\$430).** If you register after February 10th the cost for the conference is \$490. The deadline for registrations and cancellations is February 24, 2019. No refunds after February 24, 2019. Please follow the link below to register on-line.

<https://www.illinoisfloods.org/event/3/7/2019-conference>

## 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 to 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](mailto:IAFSM@illinoisfloods.org).

	On or before Feb 10	After Feb 10, before Feb 24
Exhibitor Fee	<b>\$800</b>	<b>\$900</b>
Registration Fee	<b>\$430</b>	<b>\$490</b>
Full Time Student Registration Fee ( <b><i>2 day conference</i></b> ) Please contact Sarah Harbaugh at <a href="mailto:iafsm@illinoisfloods.org">iafsm@illinoisfloods.org</a> to arrange for this special rate)	<b>\$165</b>	<b>\$165</b>
Full Time Student Registration Fee ( <b><i>half day sessions - no meals</i></b> ) Please contact Sarah Harbaugh at <a href="mailto:iafsm@illinoisfloods.org">iafsm@illinoisfloods.org</a> to arrange for this special rate)	<b>Free</b>	<b>Free</b>

## CFM EXAMINATION

The Certified Floodplain Manager exam will be conducted at the Embassy Suites by Hilton East Peoria Riverfront Hotel & Conference Center, Fon Du Lac D-F, on Tuesday, March 12, 2019 from 5:00 – 8:00 PM. **If you want to take the Floodplain Manager Certification Exam on March 12, 2019 the ASFPM must receive the CFM application packet and fee by February 26th. The application packet is available on our website, <https://www.illinoisfloods.org/about-iafsm/floodplain-manager-certification>.**

## 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.

## IAFSM Conference Scholarships

We are once again offering scholarships for the IAFSM Annual Conference. Please review the notice at the end of this flyer for more information. Request deadline is February 15, 2019.

## 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/iafsm2019> **App Download URL:** <https://crowd.cc/s/2oJbK>



A special thanks to our sponsors to date:

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We look forward to viewing these  
early bird exhibitors

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**StormTrap**  
MODULAR CONCRETE  
STORMWATER MANAGEMENT

  
**RIVERACTION**

**Tuesday, March 12, 2019**  
**(PRE CONFERENCE)**

9:00 am - 3:00 pm [NFIP 101 Workshop](#) (Fon Du Lac A-C)

5:00 pm - 8:00 pm **CFM Exam** – The Certified Floodplain Manager exam will be conducted in the Fon Du Lac D-F, the Embassy Suites by Hilton East Peoria Riverfront Hotel & Conference Center. See IAFSM's website for the application for the CFM exam, <https://www.illinoisfloods.org/about-iafsm/floodplain-manager-certification>. Applications must be received by ASFPM by February 26, 2019.

**Wednesday, March 13, 2019**

- 8:00 am           Registration  
Exhibits and continental breakfast - Exhibitor hall
- 9:00 am           **Plenary Session**
- Welcome
  - IDNR Director Address
  - Illinois River History
- 10:10 am          Break - Exhibitor Hall
- 10:30 am          **Concurrent Session 1**
- 1A      Stormwater Master Planning**
- ❖ Partnerships for Resilient Communities: MWRDGC's new program for Stormwater Master Planning (60 minute presentation)
  - ❖ ON TO 2050: Stormwater strategies for a more resilient and inclusive Chicago region
- 1B      Stormwater Regulations**
- ❖ Pollution Prevention and Good Housekeeping Plan Minimum Elements: What is Needed to Comply with the ILR40 Permit
  - ❖ Stormwater 101 and Statewide County Stormwater Authority for Urbanized Areas (60 minute presentation)
- 1C      Loss Avoidance**
- ❖ Jersey County Loss Avoidance
  - ❖ Are you SAFR not? A Flood Risk Identification GIS WEB Mapping Application
  - ❖ Upper Mississippi River Inundation Damage Assessment
- 1D      Case Studies**
- ❖ Stormwater Study Using Optimizer
  - ❖ Ensuring the Resiliency of the Electrical Grid
  - ❖ North Sandwich Stormwater Conveyance Analysis Study
- 12:00 pm          Lunch
- Brian "Fox" Ellis – "Singing a River's Story" – See Brian's photo and biography at the end of this flyer
- 1:30 pm          **Concurrent Session 2**
- 2A      Urban Flooding**
- ❖ Real Time Operations of Busse Reservoir in the Flood of February 2018
  - ❖ Flooding Outside the Lines: Applying TWI to the Problem of Urban Flooding
  - ❖ Common Causes of Residential Flooding – Glenview's Local Drainage Inspection Program



**2B Stormwater Planning**

- ❖ A New Look at a Timeworn Problem: Southwest Harriet Feasibility Study
- ❖ Des Plaines River Watershed Plan and WebApp
- ❖ Development of the DuPage River Feasibility Study

**2C Erosion and Stream Restoration**

- ❖ Engineering Natural Streams with the Built Environment – How the Greater Peoria Sanitary District Weathered Mother Nature
- ❖ Saving a Sanitary Sewer: A Stream Restoration Story
- ❖ Stream Restoration – Case Studies

**2D Apps and Tools**

- ❖ An Intro to FREE Open Source GIS
- ❖ Decision Modeling: Data Analytics for Stormwater Project Selection and Risk Analysis
- ❖ MMSD's Green Infrastructure Plant Selection Tool

1:30 - 5:00 pm **Demonstration Event:** Come watch "Carp Cowboys" transform the Illinois River in front of the hotel into a giant booby trap for Asian Carp. To demonstrate on-going non-structural Asian Carp control measures in Illinois, contracted commercial fishermen will herd the fish into their nets by startling them with loud noises using their outboard motors and clubs banging on the sides of their boats. There will be no additional charge for this demonstration. *Day/time to be determined based on current fishing schedules.*

3:00 pm Break - Exhibitor Hall

3:20 pm **Concurrent Session 3**

**3A Stormwater Management**

- ❖ Evaluating Release Rates for Specific Watersheds in Cook County
- ❖ Stormwater Management for Solar Farms
- ❖ Sustainable Urban Stormwater Volume Reduction

**3B Regulatory**

- ❖ The Path from State Statutes to Safe Department Regulations to Free-Flowing Streams
- ❖ IDNR/OWR Temporary Construction and Permit Revision Requirements
- ❖ Hydrology Documentation for the IDNR/OWR, Getting it Right the First Time (short version: Hydrology Documentation)

**3C Green Infrastructure**

- ❖ Green Infrastructure – Lessons from the Field
- ❖ Opportunities for Biosolids Compost for Green Storm Infrastructure (GSI) in the Chicago Area
- ❖ The Rock Island Drainage Assistance Program (RIDAP)

**3D 2-D Modeling**

- ❖ Hydraulic Design & Permitting of a 5,000-ft. Long Crossing of the Illinois River utilizing 1D (HEC-RAS) and 2D (SRH-2D) Modeling
- ❖ Improving Floodplain Accuracy with a HEC-RAS Combined 1D/2D Model
- ❖ Taming the Tanana: Complex River Modeling of a 3,300-ft Bridge over a Braided River in Interior Alaska

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

## Thursday, March 14, 2019

7:30 - 8:50am	IAFSM Board Meeting
8:00 am	Registration & Continental Breakfast
9:00 am	<b>Plenary Session</b> <ul style="list-style-type: none"><li>• IDNR-OWR Comprehensive Update</li><li>• Bulletin 70 Update</li><li>• Ottawa CRS Class 2 Recognition</li></ul>
10:10 am	Break
10:30 am	<b>Concurrent Session 4</b> <b>4A Large Scale Projects</b> <ul style="list-style-type: none"><li>❖ The Albany Park Stormwater Diversion Tunnel – A Construction Management Perspective</li><li>❖ A River Runs Through it: A Look at the Flood Protection System for Cedar Rapids, Iowa</li><li>❖ The Estabrook Dam Removal</li></ul> <b>4B Local Officials</b> <ul style="list-style-type: none"><li>❖ 2017 Community Rating System Coordinator's Manual</li><li>❖ Overcoming Common Obstacles for Entry into the CRS Program</li><li>❖ Kirkland Probation</li></ul> <b>4C Wetlands</b> <ul style="list-style-type: none"><li>❖ The Status of the 2015 Clean Water Rule in Illinois – A Never Ending Saga</li><li>❖ Top 10 Lessons Learned in Native Vegetation Management, From Design to Sign-Off</li><li>❖ Floodplain and Stream Enhancement in an Urban Watershed: A Case Study</li></ul> <b>4D Low Impact Design</b> <ul style="list-style-type: none"><li>❖ Low Impact Design When Your Offsite Tributary Area Dwarfs the Project Area</li><li>❖ Trees &amp; Water Sensitive Urban Design</li><li>❖ Illinois Nutrient Loss Reduction Strategy's Urban Stormwater Working Group: a collaborative way to improve state-wide water</li></ul>
12:00 pm	Lunch <ul style="list-style-type: none"><li>• Awards Luncheon</li><li>• Vendor Door Prizes</li></ul>
1:30 pm	<b>Concurrent Session 5</b> <b>5A 2-D Modeling Round Table</b> <ul style="list-style-type: none"><li>❖ 2-D Modeling Round Table (90 minute panel discussion)</li></ul> <b>5B Mitigation</b> <ul style="list-style-type: none"><li>❖ IDNR/OWR Mitigation Program</li><li>❖ 10 Lessons Learned from 20+ Flood Response Plans</li><li>❖ The Transitory Island of Ottawa</li></ul> <b>5C Apps and Tools</b> <ul style="list-style-type: none"><li>❖ Smart Tools for MS4s: Integrating Ecological Restoration and GIS Platforms</li><li>❖ Highs and Lows – GIS Applications</li><li>❖ Illinois StreamStats: Status and Current Projects</li></ul> <b>5D Mapping</b> <ul style="list-style-type: none"><li>❖ Zone VE: Coming Soon to a Great Lake Near You</li><li>❖ Community's Rights and Responsibilities for Floodplain Mapping</li><li>❖ Updates on FEMA Region V Levee Process</li></ul>
3:00 pm	Adjourn

## Brian "Fox" Ellis

Brian "Fox" Ellis is an internationally acclaimed author, storyteller, historian, and naturalist. He has worked with The Abraham Lincoln Presidential Library and Museum, The Field Museum and dozens of other museums across the country. Fox is a highly sought keynote speaker at regional and international conferences including the International Wetlands Conservation Conference, National Science Teachers Association Conference and the North American Prairie Conservation Conference, et al. Fox is also the Artistic Director for Prairie Folklore Theatre a unique theatre company that celebrates ecology and history



through original musical theatre productions. He is the author of 16 books including the critically acclaimed *Learning From the Land: Teaching Ecology Through Stories and Activities*, (Libraries Unlimited, 2011), the award winning children's picture book *The Web at Dragonfly Pond*, (DAWN Publications, 2006) and *Content Area Reading, Writing and Storytelling* (Teacher Ideas Press 2010). Many of his stories are also available on one of 12 CDs. He and his wife run a Bed and Breakfast in Bishop Hill, Illinois, [The Twinflower Inn](#).

## State and Local Official Scholarships to attend the IAFSM conference



**Come see what the IAFSM annual conference is about!**

March 13 and 14, 2019 in East Peoria, Illinois

Stretch your training and travel funds by taking advantage of the Illinois Association's State and Local Officials Scholarship to attend the Illinois Association for Floodplain and Stormwater Management annual conference. The conference is a wonderful way to share experiences and ideas with other floodplain management professionals and also allows CFMs to get CEC credits. The scholarship includes registration fees. IAFSM does not cover transportation, per diem or lodging. This year the conference will be held at the Embassy Suites; Peoria Riverfront Conference Center in East Peoria, Illinois. IAFSM has a block of rooms available at a special rate of \$139 plus tax.

### Requirements-

1. Priority given to first time conference attendees.
2. IAFSM members only. (You must register as a member before you are considered eligible for the scholarship. Annual Membership Fee is \$25.00)
3. You must be a state, county, or local government official.

### Details-

- IAFSM will pay registration fees.
- Transportation, hotels, and per diem must be paid by the scholarship recipient.
- Scholarship recipients are expected to attend conference sessions.
- Scholarship recipients must be willing to volunteer if requested.
- Requests should be on official state, county, or city letterhead.
- Request deadline is February 15, 2019.

There are a limited number of scholarships available. Please send a letter detailing your interest in receiving this scholarship, your official position, along with any applicable information that you feel might provide you with priority consideration to

Diane Bouckaert, Education Chair;  
Manhard Consulting  
700 Springer Drive, Lombard, Illinois 60148.  
[dbouckaert@manhard.com](mailto:dbouckaert@manhard.com)  
(630)925-1055  
\*\*I will contact you with confirmation of receipt.

Full details on the IAFSM 2019 Conference are located at [www.illinoisfloods.org](http://www.illinoisfloods.org)