



# IAFSM

*Illinois Association for  
Floodplain and Stormwater Management*

## **2021 Annual Conference**

**Wednesday & Thursday  
March 10 & 11, 2021**

Virtual Conference Event

Questions: Sarah Harbaugh  
IAFSM Executive Secretary

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or 630/443-8145

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

## LOCATION

**Location:** The conference will be a virtual format this year. The presentations will be pre-recorded with live Q&A at the end of the session. The conference presentations will be available to all paid attendees for a year and anyone can register and watch the recorded presentations anytime during that year. Our virtual Exhibit/Sponsor hall will be available for viewing for a year also.

**Registration:** Registration includes your 2021-2022 IAFSM membership. The deadline for registrations and cancellations is March 5, 2021. No refunds after March 5, 2021. Registration will be temporarily suspended From March 6<sup>th</sup> – March 15<sup>th</sup>. Please contact Sarah Harbaugh, [iafsm@illinoisfloods.org](mailto:iafsm@illinoisfloods.org) for last-minute registrations.

Please follow the link below to register on-line.

<https://www.illinoisfloods.org/meetings/register/options/1019>

## EXHIBITORS & SPONSORS

We are offering a unique Virtual Exhibitor/Sponsor Hall this year. Each level gets to create their own page with whatever content they want. Our conference vendor Falcon will assist you to really make your company shine. The Exhibit hall will be open for a full year. The live chat rooms and zoom rooms that you may have on your site will not be available, but all other content will remain intact. You can reference your site to future customers. Falcon will also provide analytics to you, the exhibitor/sponsor, regarding what attendees visited your booth and what assets they clicked on within your booth. Please view the [Exhibitor/Sponsor flyer](#) for more information.

	Thru March 5
Registration Fee	\$225
Full Time Student Registration Fee ( <i>2 day conference</i> ) Please contact Sarah Harbaugh at <a href="mailto:iafsm@illinoisfloods.org">iafsm@illinoisfloods.org</a> to arrange for this special rate) Scholarships are also available.	\$50

## COMMUNITY RATING SYSTEM (CRS)

**CRS:** Lou Ann Patellaro, with the ISO Community Rating System (CRS) program will be exhibiting this year. If you are interested in the CRS or have questions, please visit her at her virtual booth.

### 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 10, 2021.

## Wednesday, March 10, 2021

- 8:00 am Last minute registration  
Virtual Exhibit Hall opens and remains open all day.
- 9:00 am **Plenary Session**
- Welcome
  - OWR Update, Loren Wobig, IDNR/OWR
  - ISWS/CHAMP Update, Sally McConckey, ISWS
- 10:10 am Break
- 10:30 am **Concurrent Session 1**
- 1A MS4**
- ❖ Use of Watershed Modeling to Support Watershed-Based Planning and Inform Management Decisions
    - Karoline Qasem, Ph.D., E.I.T., Geosyntec Consultants
    - Rishab Mahajan, Geosyntec Consultants
    - Kelsey Pudlock, Chicago Metropolitan Agency for Planning (CMAP)
    - Holly Hudson, Chicago Metropolitan Agency for Planning (CMAP)
  - ❖ North Mill Creek Channel Restoration
    - Derrick Martin, V3 Companies & Lake County Forest Preserve District
  - ❖ Successes and Setbacks: Naturalized Stormwater Basins
    - Tim Pollowy, Hey and Associates, Inc.
- 1B Urban Flooding**
- ❖ Redmond Reservoir Expansion - A Regional Solution to Localized Flooding
    - Marty Michalisko, CFM, PE, Engineering Resource Associates
    - Mehul Patel, Village of Bensenville
    - Jamie Lock, DuPage County
  - ❖ Placemaking Infrastructure: Mundelein's Downtown Stormwater Story (1 hour presentation)
    - Ajay Jain, PE, CFM, HR Green, Inc.
    - Amanda Orenchuk, AICP, Village of Mundelein
    - Daniel Grove, PLA, AICP, LEED, Kimley-Horn and Associates, Inc.
- 1C Regulatory and Mapping**
- ❖ Oh no, not again, or, Watershed Study Dos and Don'ts
    - Liana M. Winsauer, PE, IDNR/OWR
  - ❖ The Industry Progression to 2D Hydraulic Modeling and the Requisite Regulatory Response
    - Garrett Litteken, PE, CFM, Hanson Professional Services, Inc.
    - Anthony Comerio, PE, CFM, Hanson Professional Services, Inc.
  - ❖ Cache River Valley 2D Floodplain Analysis
    - Chris Hanstad, PE, CFM, Illinois State Water Survey
- 12:00 pm Lunch
- 1:30 pm **Concurrent Session 2**
- 2A Bank Stabilization**
- ❖ Bank Stabilization in Confined Residential Neighborhood
    - Chris Hanchett, PE, CFM, CPESC, V3 Companies
  - ❖ Monitoring Streams for Instabilities to Prevent Emergency Situations
    - Emily Jenkins, Farnsworth Group
  - ❖ Woods Creek Stabilization and Riparian Area Restoration – Lake in the Hills, IL

- Logan Gilbertsen, PE, CFM, HR Green, Inc.

## **2B Urban Flooding**

- ❖ Rising Tide: Great Lakes Coastal Resiliency Case Studies and Science
  - Emily Campbell, PE, CFM, Geosyntec Consultants
  - Brian Valleskey, CFM, CLP, Geosyntec Consultants
- ❖ Urban Flood Mitigation: Wilmette Neighborhood Storage Case Study
  - Matt Moffitt, PE, CFM, Baxter & Woodman, Inc.
  - Darren Olson, PE, CFM, D.WRE, Christopher B. Burke Engineering, Ltd.
- ❖ 63rd Street Drainage Improvements
  - Derrick Martin, V3 Companies & Village of Woodridge

## **2C Legislative**

- ❖ Why and How to Build a Relationship with your Legislator(s) (1 ½ hour session) (Live Panel & Pre-Recorded presentations)
  - P. Kay Whitlock, PE, D.WRE, F.ASCE, Christopher B. Burke Engineering, Ltd.
  - Invited members and past members of the Illinois General Assembly

## **2D Vendor**

- ❖ Floodplain Design, Construction, and Impacts on Flood Insurance
  - Bryan Christopherson, CFM, LIA, Floodproofing.com
- ❖ Illinois Public Works Mutual Aid Network (IPWMAN)

3:00 pm Break

3:20 pm **Concurrent Session 3**

### **3A Special Topics 1**

- ❖ Using Pre-vegetated Blanket to Achieve Instant Results
  - Robert Livingston, GreenLine Synergy
- ❖ LID and the Soil Conundrum
  - Aaron Ganson, PE, ADS
- ❖ DuPage County Water Quality Improvement Program: Funding Projects and Educating Residents
  - Mary Beth Falsey, DuPage County Stormwater Management

### **3B Case Studies**

- ❖ Heritage Park: Regional Drainage Improvements in Homer Glen, IL
  - Logan Gilbertsen, PE, CFM, HR Green, Inc.
- ❖ Dam Breach Analysis and Geotechnical Investigation for a Class II Hazard Potential Dam
  - Ranjita Tiwari, Geosyntec Consultants
  - Emily Campbell, PE, CFM, Geosyntec Consultants
  - Lucas Carr, PE, Geosyntec Consultants
- ❖ Multi-Use Flood Conveyance, Storage, Wetlands, and Recreation Improvements Along the East Branch of the DuPage River
  - Derrick Martin, V3 Companies & Elmhurst Chicago Stone Company
  - Stuart Dykstra, V3 Companies & Elmhurst Chicago Stone Company

### **3C MWRD**

- ❖ Buffalo Creek Reservoir Expansion
  - Tim Pollowy, Hey and Associates, Inc.
  - Justin Kirk, PE, CFM, MWRD
- ❖ 2021 Update: MWRD Stormwater Master Planning: Partnering for Resilient Communities (1 hour presentation)
  - Jennifer Maercklein, PE, CFM, V3 Companies
  - Matt Bardol, PE, CFM, CPESC, D.WRE, Geosyntec Consultants, Inc.
  - Richard Fisher, PE, CFM, MWRDGC

- Jack T.P. Chan, PhD, PE, MWRDGC
- 3D RAFT/SDE (1 ½ hour session) (Live Webinar)**
- Marilyn Sucoe, PE, CFM

4:50 -6:30 pm Exhibitor Hall – After Hours and Networking

## Thursday, March 11, 2021

7:30 am IAFSM Board Meeting

9:00 am **Plenary Session**

- Illinois Marine Transportation System Plan and Economic Impact Analysis Study, B.J. Murray, IDOT
- 2020 Illinois River Navigation Lock Rehabilitations, Thomas Heinold, USACE-Rock Island District

10:10 am Break

10:30 am **Concurrent Session 4**

**4A CRS/RR 2.0**

- ❖ Community Rating System - New for 2021
  - Lou Ann Patellaro, CFM, Insurance Services Offices (ISO) – Community Rating System (CRS)
- ❖ The Evolution of Flood Insurance: A Look at Private Flood Insurance and the NFIP's Risk Rating 2.0 (1 hour session)
  - Bruce A. Bender, CFM, Bender Consulting Services, Inc.
  - Tony Hake, Federal Insurance and Mitigation Administration

**4B 2D Case Studies**

- ❖ White River Bank Stabilization - 2D Hydraulic Modeling of Bendway Weirs
  - Nabil Ghalayini, PE, D.WRE, CFM, PMP, WSP USA, Inc.
- ❖ Utilizing HEC-RAS 2-D for Preliminary Cost Estimates
  - Steven Brown, PE, CFM, Hanson Professional Services, Inc.
- ❖ Floodproofing Solar Infrastructure - Risk Mitigation in the Face of Climate Change
  - Melissa Duyar, PE, CFM, Kimley-Horn and Associates, Inc.

**4C Young Professionals**

- ❖ What I wish I knew 3 years ago: Playing to your strengths as a new engineer
  - Sarah Wenzel, Prairie Engineers
- ❖ IAFSM Young Professionals Panel (1 hour session) (Live Panel)
  - Adam Blumstein, PE, CFM, ENV SP, Burns & McDonnell
  - Lorena Reyes, FEMA
  - John Watson, MWRD
  - Michal Tutka, SCST LLC
  - Chris Hanstad, ISWS
  - Dallas Alley, Village of Swansea

**4D Special Topics 2**

- ❖ Nutrient Retention in Ecologically Functional Floodplains: A Review
  - Olivia Dorothy, CFM, American Rivers
- ❖ Anticipating and Adapting to Riverine Flooding at a Construction Site
  - Joel Conzelmann, EIT, Geosyntec Consultants
  - Neil Couch, PG, Geosyntec Consultants
  - Rick Skowron, Geosyntec Consultants

- Using Customized GIS Maps with Hydraulic Features for Your Community
- ❖ Using Customized GIS Maps with Hydraulic Features for Your Community
  - Jenny Loewenstein, PE, CFM, CPESC, DECI
  - Molly Garrow, PE, CFM
  - Mike Maslowski, PE, CFM

12:00 pm

Lunch

- Awards Luncheon

1:30 pm

**Concurrent Session 5**

**5A Mitigation**

- ❖ OWR mitigation program
  - Ron Davis, CFM, IDNR/OWR
- ❖ Village of Shorewood, Loss Avoidance Study: 24 years and 17 floods later
  - Lisa Graff GISP, CFM, Prairie Research Institute – Illinois State Water Survey
  - Rebecca Leitschuh, AICP, Prairie Research Institute – Illinois State Water Survey
- ❖ Update of Silver Jackets Floodprone Structure Inventories and the SAFR Web Mapping Application
  - Terra McParland, PE, IDNR/OWR
  - Lisa Graff, GISP, CFM, Illinois State Water Survey

**5B Urban Flooding**

- ❖ Elk Grove Village's Rear Yard Drainage Program
  - Corey Van Dyk, PE, CFM, Baxter & Woodman, Inc.
- ❖ Bulletin 75 impacts on O'Hare Designs
  - Jeff Julkowski, PE, CFM, Christopher B. Burke Engineering, Ltd.
  - Carolina Martinez-Gutierrez, Chicago Department of Aviation-Design & GIS
- ❖ Caught Between a Lake and a Hard Place: Solutions to Preventing Erosion on Lake Michigan's Shoreline
  - Charlotte Carlton, SmithGroup
  - Kathryn Ganas, SmithGroup
  - Sarah White, Chicago Park District
  - Stefanie Levine, PLA, City of Evanston

**5C Planning**

- ❖ Illinois State Water Plan
  - Loren Wobig, PE, CFM, Office of Water Resources
  - Wes Cattoor, PE, CFM, IDNR/OWR
- ❖ Naperville Flood Warning Booklets
  - Christopher C. Vonnahme, PE, CFM, DuPage County Stormwater Management Department
- ❖ Watershed-based Planning: A stakeholder driven process for improving and protecting the health of watersheds
  - Kelsey Pudlock, Chicago Metropolitan Agency for Planning
  - Holly Hudson, Chicago Metropolitan Agency for Planning

3:00 pm

Break

3:15 – 4:45pm ASFP Foundation Urban Flooding Listening Session

# State and Local Official Scholarships to attend the IAFSM conference



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

March 11 and 12, 2020 in Tinley Park, 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 Tinley Park Convention Center – Holiday Inn, Tinley Park, Illinois. IAFSM has a block of rooms available at a special rate of \$129 plus tax. Please look at page 2 of this flyer for more information.

## 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 10, 2020.

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 2020 Conference are located at [www.illinoisfloods.org](http://www.illinoisfloods.org)