



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

iafsm@illinoisfloods.org

or 630/443-8145

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 6th – March 15th. Please contact Sarah Harbaugh, iafsm@illinoisfloods.org for last-minute registrations.

Please follow the link below to register on-line. **You will receive information about how to enter the platform for the conference on Monday, March 8th. You will be able to browse through the exhibit hall and you can even set up appointments to watch the specific sessions you want to see on Tuesday prior to the conference.**

<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 iafsm@illinoisfloods.org 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

This year with the conference being virtual you will have access to the presentations for a year after the actual conference. This will enable you to watch sessions you may have missed or watch sessions to earn CEC/PDHs. After you watch an entire session/plenary the platform will automatically generate a certificate for you with the designated number of CEC/PDHs earned. It is important to note that you must watch the entire session to get credit. Breakout sessions provide 1.5 CEC/PDHs and the plenaries offer 1 CEC/PDH.

Certified Floodplain Managers – CECs:

There is a potential to receive 12 CECs for this conference, maximum allowed per event. Attendance is reported directly to the CFM Database.

Professional Engineering - PDHs: There is a potential to receive 30 PDH's for this conference.

Credit hours are subject to final program adjustment.

Wednesday, March 10, 2021

- 8:00 am Last minute registration
Virtual Exhibit Hall opens and remains open all day.
- 8:15-8:45am **YP Morning Coffee/Breakfast Networking Chat**
- 9:00 am **Plenary Session – Moderator Erik Gil, IAFSM Chair, Christopher B. Burke Engineering, Ltd.**
- Welcome, Steve Altman, IAFSM Vice-Chair & Conference Chair
 - OWR Update, Loren Wobig, IDNR/OWR
 - ISWS/CHAMP Update, Sally McConckey, ISWS
- 10:10 am Break
- 10:30 am **Concurrent Session 1**
- 1A MS4 – Moderator Adam James, Cook County DOT**
- ❖ 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 – Moderator Henry Schmitz, Crawford, Murphy & Tilly, Inc.**
- ❖ 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– Moderator Glenn Heistand, ISWS**
- ❖ 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– Moderator Jenny Loewenstein, Engineering Resource Associates**
- ❖ 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— Moderator Brad Brink, Bradley E. Brink Engineering, Ltd.

- ❖ 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 – Technical Moderator Henry Schmitz, Crawford, Murphy & Tilly, Inc.

- ❖ 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.
 - Richard Winkel, U of I, Deputy Executive Director, Prairie Research Institute
 - Invited members and past members of the Illinois General Assembly
 - Illinois State Representative Jay Hoffman
 - Illinois State Representative Tom Bennett
 - Illinois State Representative Ann Williams
 - Illinois State Senator Sue Rezin

2D Vendor— Moderator Tom Kehoe, Christopher B. Burke Engineering, Ltd.

- ❖ Floodplain Design, Construction, and Impacts on Flood Insurance
 - Bryan Christopherson, CFM, LIA, Floodproofing.com
- ❖ Illinois Public Works Mutual Aid Network (IPWMAN)
 - Sean Henry, PE, IPWMAN Regional Director, City of Carbondale

3:00 pm Break

3:20 pm **Concurrent Session 3**

3A Special Topics 1— Moderator Stephen Bicking, HR Green, Inc.

- ❖ 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— Moderator Ajay Jain, HR Green, Inc.

- ❖ 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 – Moderator Brian Wawczak, 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, IDNR/OWR
 - Don Glondys

4:50 -5:30 pm Exhibitor Hall – **Speaker After Hours**

5:15pm **YP Networking Virtual Scavenger Hunt**

Thursday, March 11, 2021

7:30 am IAFSM Board Meeting

8:15-8:45am **YP Morning Coffee/Breakfast Networking Chat**

9:00 am **Plenary Session– Moderator Steve Altman, IAFSM Vice-Chair & Conference Chair, IDNR/OWR**

- Opening Remarks Erik Gil, IAFSM Chair, Christopher B. Burke Engineering, Ltd.
- 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 – Moderator Julie Lomax, Village of Downers Grove**
 - ❖ 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 – Moderator Diane Bouckaert, Manhard Consulting Ltd.**
 - ❖ 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– Moderator Adam Blumstein, Burns & McDonnell**
- ❖ 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– Moderator Brian Chaille, ISWS**
- ❖ 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– Moderator Sarah Hunn

1:30 pm

Concurrent Session 5

- 5A Mitigation– Moderator Mei Zhu, Gewalt Hamilton Associates, Inc.**
- ❖ 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– Moderator Bruce Matthews, Matthews Engineering, Ltd.**
- ❖ 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– Moderator Mark Hoskins, IDNR/OWR**
- ❖ 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 – 3:45 pm Exhibitor Hall – Speaker After Hours

3:00 pm Break

3:15 – 4:45pm ASFPM Foundation Urban Flooding Listening Session – *Moderator Bruce Bender, Bender Consulting Services, Inc.*

- Doug Plasencia, President ASFPM Foundation
- Sally McConkey (Illinois State Water Survey - ISWS)
- Sarah Hunn (DuPage County)
- Kate Evasic (Chicago Metropolitan Agency for Planning – CMAP)
- Joe Kratzer (Metropolitan Water Reclamation District of Greater Chicago – MWRDGC)
- Loren Wobig (Illinois Department of Natural Resources – Office of Water Resources – IDNR-OWR)

Thank you to our Sponsors & Exhibitors!

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