

## Wednesday, March 10, 2021

- 8:00 am -Virtual Exhibit Hall opens and remains open all day.  
-Registration is closed for our live virtual conference. Registration will reopen in a week or two for the on-demand conference.
- 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**
- 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 Reach 10 Streambank Stabilization Village of 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 Tom Bennett
      - Illinois State Representative Ann Williams
- 2D Vendor– Moderator Tom Kehoe, Christopher B. Burke Engineering, Ltd.**
  - ❖ Floodplain Design, Construction, and Impacts on Flood Insurance (1 hour presentation)
    - Bryan Christopherson, CFM, LIA, Floodproofing.com
  - ❖ Illinois Public Works Mutual Aid Network (IPWMAN) – When Disaster Hits, We'll Get You Through
    - 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) – *Moderator Dallas Alley, Village of Swansea*

- Marilyn Sucoe, PE, CFM, IDNR/OWR
- Ashley Reiman, FEMA Region V
- 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 Erik Gil, IAFSM Chair, Christopher B. Burke Engineering, Ltd.*

- 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 Waterway Navigation System Maintenance, 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.

**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.
- ❖ Better Informed With HEC-RAS 2-D
  - 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, CFM, FEMA
- John Watson, PE, CFM, MWRD
- Michal Tutka, CFM, SCST LLC
- Chris Hanstad, PE, CFM, ISWS
- Dallas Alley, CFM, 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
  - Jenny Loewenstein, PE, CFM, CPESC, DECI
  - Molly Garrow, PE, CFM
  - Mike Maslowski, PE, CFM

12:00-12:30 pm Lunch

12:30 – 1:00 Awards Presentation – *Moderator Sarah Hunn*

Door Prizes for Exhibit Hall Bingo – *Presenters Jenny Loewenstein & Kerry Behr*

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., Tony Hillier, CDM Smith, George Riedel, ASFPM Foundation*

- 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)