

## Wednesday, March 10, 2021

### Plenary Session – Moderator Steve Altman, IAFSM Vice-Chair, Conference Chair, IDNR/OWR (1 CEC earned for this plenary session)

Welcome, Steve Altman, IAFSM Vice-Chair & Conference Chair

- OWR Update, Loren Wobig, IDNR/OWR
- ISWS/CHAMP Update, Sally McConckey, ISWS

### Concurrent Session 1 (1.5 CEC's earned for session)

#### 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

### Concurrent Session 2 (1.5 CEC's earned for session)

#### 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

**Concurrent Session 3 (1.5 CEC’s earned for session)**

- 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

## Thursday, March 11, 2021

### **Plenary Session— Moderator Erik Gil, IAFSM Chair, Christopher B. Burke Engineering, Ltd. (1 CEC earned for this plenary session)**

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

### **Concurrent Session 4 (1.5 CEC's earned for session)**

#### **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

Awards Presentation – Moderator Sarah Hunn (**No CEC's will be earned for watching this session**)

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

## Concurrent Session 5 (1.5 CEC's earned for session)

- 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

ASFPM Foundation Urban Flooding Listening Session – Moderator *Bruce Bender, Bender Consulting Services, Inc., Tony Hillier, CDM Smith, George Riedel, ASFPM Foundation (1 CEC earned for this session)*

- Doug Plasencia, President ASFPM Foundation
- Sally McConkey (Illinois State Water Survey - ISWS)
- Sarah Hunn (DuPage County)
- Jason Navota (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)