Wednesday, March 10, 2021

8:00 am  Registration
Exhibits and continental breakfast - Exhibitor hall

9:00 am  Plenary Session
• Welcome
• OWR Update, Loren Wobig, IDNR/OWR
• ISWS/CHAMP Update, Sally McConkey, ISWS

10:10 am  Break - Exhibitor Hall

10:30 am  Concurrent Session 1

1A  MS4
❖ Use of Watershed Modeling to Support Watershed-Based Planning and Inform Management Decisions
  o Karoline Qasem, Ph.D., E.I.T., Geosyntec Consultants
  o Rishab Mahajan, Geosyntec Consultants
  o Kelsey Pudlock, Chicago Metropolitan Agency for Planning (CMAP)
  o Holly Hudson, Chicago Metropolitan Agency for Planning (CMAP)
❖ North Mill Creek Channel Restoration
  o Derrick Martin, V3 Companies & Lake County Forest Preserve District
❖ Successes and Setbacks: Naturalized Stormwater Basins
  o Tim Pollowy, Hey and Associates, Inc.

1B  Urban Flooding
❖ Redmond Reservoir Expansion - A Regional Solution to Localized Flooding
  o Marty Michalisko, CFM, PE, Engineering Resource Associates
  o Mehul Patel, Village of Bensenville
  o Jamie Lock, DuPage County
❖ Placemaking Infrastructure: Mundelein’s Downtown Stormwater Story (1 hour presentation)
  o Ajay Jain, PE, CFM, HR Green, Inc.
  o Amanda Orenchuk, AICP, Village of Mundelein
  o 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
  o Liana M. Winsauer, PE, IDNR/OWR
❖ The Industry Progression to 2D Hydraulic Modeling and the Requisite Regulatory Response
  o Garrett Litteken, PE, CFM, Hanson Professional Services, Inc.
  o Anthony Comerio, PE, CFM, Hanson Professional Services, Inc.
❖ Cache River Valley 2D Floodplain Analysis
  o 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  
  o Chris Hanchett, PE, CFM, CPESC, V3 Companies  
❖ Monitoring Streams for Instabilities to Prevent Emergency Situations  
  o Emily Jenkins, Farnsworth Group  
❖ Woods Creek Stabilization and Riparian Area Restoration – Lake in the Hills, IL  
  o Logan Gilbertsen, PE, CFM, HR Green, Inc.  

2B  **Urban Flooding**  
❖ Rising Tide: Great Lakes Coastal Resiliency Case Studies and Science  
  o Emily Campbell, PE, CFM, Geosyntec Consultants  
  o Alex Sitar, EIT, Geosyntec Consultants  
  o Brian Valleskey, CFM, CLP, Geosyntec Consultants  
❖ Urban Flood Mitigation: Wilmette Neighborhood Storage Case Study  
  o Matt Moffitt, PE, CFM, Baxter & Woodman, Inc.  
  o Darren Olson, PE, CFM, D.WRE, Christopher B. Burke Engineering, Ltd.  
❖ 63rd Street Drainage Improvements  
  o 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 Webconference)  
  o P. Kay Whitlock, PE, D.WRE, F.ASCE, Christopher B. Burke Engineering, Ltd.  
  o Invited members and past members of the Illinois General Assembly  

2D  **Vendor**  
❖ Floodplain Design, Construction, and Impacts on Flood Insurance  
  o Bryan Christopherson, CFM, LIA, Floodproofing.com  

3:00 pm  Break - Exhibitor Hall  

3:20 pm  **Concurrent Session 3**  
3A  
❖ Using Pre-vegetated Blanket to Achieve Instant Results  
  o Robert Livingston, GreenLine Synergy  
❖ LID and the Soil Conundrum  
  o Aaron Ganson, PE, ADS  
❖ DuPage County Water Quality Improvement Program: Funding Projects and Educating Residents  
  o Mary Beth Falsey, DuPage County Stormwater Management  

3B  **Case Studies**  
❖ Heritage Park: Regional Drainage Improvements in Homer Glen, IL  
  o Logan Gilbertsen, PE, CFM, HR Green, Inc.  
❖ Dam Breach Analysis and Geotechnical Investigation for a Class II Hazard Potential Dam  
  o Ranjita Tiwari, Geosyntec Consultants  
  o Emily Campbell, PE, CFM, Geosyntec Consultants  
  o 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 Webconference)
  - TBD

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

Thursday, March 11, 2021

7:30 am IAFSM Board Meeting
Registration & Continental Breakfast

9:00 am Plenary Session
- Illinois Marine Transportation Plan, 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
  - ??, 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 Webconference)
  - Adam Blumstein, PE, CFM, ENV SP, Burns & McDonnell
  - TBD

4D
- 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
- Illinois Public Works Mutual Aid Network (IPWMAN)
  - TBD

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
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  Adjourn