### Tuesday, August 30, 2022

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 AM - 5:00 PM</td>
<td>Registration Desk Open</td>
<td>3rd Floor</td>
</tr>
<tr>
<td>8:00 AM - 5:00 PM</td>
<td>DRAINMOD 7.0 Workshop: Modeling Hydrology, Crop Yield, Nitrogen, and Phosphorus Dynamics in Drained Lands - R. Wayne Skaggs, NC State University; Mohamed Youssouf, NC State University; Brian Phillips, Phillips Research and Consulting, LLC; Manal Askar, USDA ARS (Ticket Required, Additional Fees Apply)</td>
<td>3rd Floor Dubuque</td>
</tr>
<tr>
<td>5:00 PM - 7:00 PM</td>
<td>Welcome Reception</td>
<td>3rd Floor Des Moines Exhibit Hall</td>
</tr>
</tbody>
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### Wednesday, August 31, 2022

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 AM - 5:00 PM</td>
<td>Registration Desk Open</td>
<td>3rd Floor Des Moines Exhibit Hall</td>
</tr>
<tr>
<td>7:30 AM - 8:30 AM</td>
<td>Exhibit Hall and Poster Presentations Open</td>
<td>3rd Floor Des Moines Exhibit Hall</td>
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<tr>
<td>8:30 AM - 10:00 AM</td>
<td>Opening General Session and Panel Discussion - Richard Cooke, University of Illinois; Dennis Today, USDA Midwest Climate Hub; Chuck Brandstel, ISG, Inc.; Melissa Luykx, Land Improvement Contractors of Ontario</td>
<td>2nd Floor Iowa Ballroom</td>
</tr>
<tr>
<td>10:00 AM - 10:30 AM</td>
<td>Morning Break: Exhibit Hall and Poster Presentations Open</td>
<td>3rd Floor Des Moines Exhibit Hall</td>
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**Concurrent Sessions**

<table>
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<tr>
<th>Time</th>
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<tr>
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<td>3rd Floor Dubuque</td>
</tr>
<tr>
<td>10:30 AM - 12:00 PM</td>
<td>Achieving Multipurpose Water Management Goals by Balancing Tried and True Practices with New Techniques - Mark Origer, ISG</td>
<td>3rd Floor Council Bluffs</td>
</tr>
<tr>
<td>11:16 AM</td>
<td>Designing and Constructing Advanced Drainage Systems - Joseph A Babcanec, Iowa State University</td>
<td>3rd Floor Cedar Rapids</td>
</tr>
<tr>
<td>11:30 AM</td>
<td>Designing and Constructing Advanced Drainage Systems - Joseph A Babcanec, Iowa State University</td>
<td>3rd Floor Cedar Rapids</td>
</tr>
<tr>
<td>12:00 PM - 1:30 PM</td>
<td>Luncheon and Speaker - Bob Burtonshaw, Farm Services, Ltd.</td>
<td>2nd Floor Iowa Ballroom</td>
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<tr>
<td>1:30 PM - 3:00 PM</td>
<td>Concurrent Sessions</td>
<td>3rd Floor Cedar Rapids</td>
</tr>
<tr>
<td>1:30 PM - 2:15 PM</td>
<td>Achieving Multipurpose Water Management Goals by Balancing Tried and True Practices with New Techniques - Mark Origer, ISG</td>
<td>3rd Floor Council Bluffs</td>
</tr>
<tr>
<td>1:30 PM - 3:00 PM</td>
<td>The History of Lake Drainage in Illinois - Joe Otto, Soil and Water Conservation Society</td>
<td>3rd Floor Cedar Rapids</td>
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<tr>
<td>3:00 PM - 5:30 PM</td>
<td>Concurrent Sessions</td>
<td>3rd Floor Cedar Rapids</td>
</tr>
<tr>
<td>3:00 PM - 4:30 PM</td>
<td>Achieving Multipurpose Water Management Goals by Balancing Tried and True Practices with New Techniques - Mark Origer, ISG</td>
<td>3rd Floor Council Bluffs</td>
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<tr>
<td>3:00 PM - 4:30 PM</td>
<td>The History of Lake Drainage in Illinois - Joe Otto, Soil and Water Conservation Society</td>
<td>3rd Floor Cedar Rapids</td>
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<tr>
<td>5:00 PM - 7:00 PM</td>
<td>Early Career Mixer</td>
<td>Location TBD</td>
</tr>
<tr>
<td>6:00 PM - 8:00 PM</td>
<td>Drainage Hall of Fame Awards Banquet (Ticket Required, Additional Fees Apply)</td>
<td>2nd Floor Iowa Ballroom</td>
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### Thursday, September 1, 2022

**8:00 AM - 5:00 PM**
- Registration Desk Open
- Concurrent Sessions
- 3rd Floor Foyer

**3rd Floor Cedar Rapids**
- Cedar Rapids, 3rd Floor
- Modelling and Measuring the Water Balance
- Simulating Historical Changes of Water Table Depth in the US Corn Belt - Socio-Environmental Challenges, Iowa State University
- Impacts of Subsurface Drainage on Water Yield and Opportunities for Controlled Drainage in Eastern South Dakota - John McMall and Megan Hurst, South Dakota State University
- Investigation of the Contribution of Snowmelt to Subsurface Drainage and Surface Runoff in a Quebec Cropland - Jean-L. D. and Zouheir M. McGill University

**3rd Floor Council Bluffs**
- Council Bluffs, 3rd Floor
- Site-Specific, Edge-of-Field and Other Conservation Drainage Practices for Water Quality – Controlled Damage
- Reduction of Nutrient Leaching and Threats to Surface Water under Conservation Tillage in an Edge of Field Monitoring at the Micro-Catchment Scales - Zouheir Massi, Michigan State University
- Impact of Controlled Drainage on Crop Yield Including Within-Field Variability - Jane Frankenberger, Purdue University
- Drainage Water Management in Ohio – Lessons Learned and Future Direction - Vinaik Shokar, The Ohio State University

**3rd Floor Davenport**
- Davenport, 3rd Floor
- Soils – Barriers to Edge-of-Field and Other Conservation Drainage Practice Implementation
- Threading the Needle: Getting Conservation Practices in Place - Chuck Brandel and Bethany Brittingham, ISU
- Implementation of Edge-of-Field Practices in the Southfork Watershed in Central Iowa: Perspectives from a Farmer - Jacob Bois, Beaver Creek Food & Fibre
- Water Quality Monitoring for Targeted Implementation of Water and Nutrient Retention Measures in Llania: An Example of the LIFE GOODWATER IP Project - Aulis Lagozits, Latvia University of Life Sciences and Technologies

**3rd Floor Dubuque**
- Dubuque, 3rd Floor
- Watersheds - Edge-of-Field and Other Conservation Drainage Practices for Water Quality
- Assessment of Stacked Conservation Practices on Edge-of-Field Subsurface Nitrogen and Phosphorus Loss at a Field in Ohio - Marul Askar, USDA ARS
- Eating the Metaphorical Elephant, Meeting Nitrogen Reduction Goals in Upper Mississippi River Basin States - Christopher Hall, Iowa Soybean Association
- Water Quality Monitoring for Targeted Implementation of Water and Nutrient Retention Measures in Llania: An Example of the LIFE GOODWATER IP Project - Aulis Lagozits, Latvia University of Life Sciences and Technologies

**10:00 AM - 10:30 AM**
- Morning Break: Exhibit Hall and Poster Presentations Open

**10:30 AM - 12:00 PM**
- Concurrent Sessions
- 3rd Floor Des Moines Exhibit Hall

**3rd Floor Cedar Rapids**
- Climate Change, Agricultural Drainage and Water Storage in Minnesota - Joe Magni, University of Minnesota
- The Frontier of Drainage Water Recycling - Christopher Hay, Iowa Soybean Association
- Seepage Considerations in Drainage Canal Design for Groundwater Quality - K. Caleb Bluhm, University of Illinois Urbana-Champaign

**3rd Floor Council Bluffs**
- Site-Specific, Edge-of-Field and Other Conservation Drainage Practices for Water Quality – Ditches
- Effect of Vegetative Filter Strips on Sediment Deposition in Drainage Ditches in Littoral Zone of Lake Sainte-Pierre in Quebec, Canada - Zhiqing Qi, McGill University
- Seasonal and Annual Nutrient Removal from Agricultural Drainage Ditches Using Low-Grade Weirs - Andy Z. Bakowsk, University of Minnesota
- Characterization and Identification of Microbial Communities in Agricultural Drainage Ditches - Hao Wang, University of Minnesota

**3rd Floor Davenport**
- Soils - Water Quality and Drainage – Soil Interaction
- Consistent Fertilizer Application Increased Corn Yields Without Change in Nitrate Export - Chelsea Clifford, Iowa State University
- Improving Ecolhydrological Simulations by Incorporating Accurate Tile Drainage and Fertilizer Application Rate Data A Case Study of Central Iowa - Taisia Brighenti and Philip Gassman, Iowa State University
- The Long-Term Results of the Agricultural Runoff Monitoring Programme in Llania - Arnis Lagozits, Latvia University of Life Sciences and Technologies

**3rd Floor Dubuque**
- Water Quality and Drainage
- Management of Drainage Water in the Holland Marsh of Ontario for Environmental and Agronomic Benefits - Chandra Madramootoo, McGill University
- Consistent Fertilizer Application Increased Corn Yields Without Change in Nitrate Export - Chelsea Clifford, Iowa State University
- Beneficial Practices for Soil and Water Management in Undulating Soils in Southwestern Manitoba, Canada: A Research and Demonstration Project - David Whetter and Bruce Sheawell, PBS Water Engineering
- The Long-Term Results of the Agricultural Runoff Monitoring Programme in Llania - Arnis Lagozits, Latvia University of Life Sciences and Technologies

**12:00 PM - 1:30 PM**
- Luncheon and Speaker - Charlotte Kjaergaard, NovaDraiN ApS

**1:30 PM - 3:00 PM**
- Concurrent Sessions
- 2nd Floor Iowa Ballroom

**3rd Floor Cedar Rapids**
- Site-Specific, Edge-of-Field and Other Conservation Drainage Practices for Water Quality – Field Scale
- Soil Health and Drainage Nexus and Nutrient Losses - Vinayak Chintharlapalli, The Ohio State University
- Do Newly Drained Fields Need Revised Fertility Recommendations? - Lindsey Pease, University of Minnesota
- Land Management Benefits of Controlled Drainage - Chandra Madramootoo, McGill University
- There is No Such Thing as a Quick Fix: Travel Times to Subsurface Drains - Eileen Kladivko, Purdue University

**3rd Floor Council Bluffs**
- Soils - Drainage Tools and Modeling – Water Quality
- Modeling Drained Ponding Duration with SPAW Software - Donald D. Zeller, Bolton & Menk, Inc.
- XPSWMM and ICM Modeling: Leveraging Support for Water Quality Projects - Bailey Griffin, ISU
- Assessment of the Macropore Component of RZWQM2 in Simulating Hourly Subsurface Drainage and Peaks - Zhiqing Qi, McGill University
- Performance of EnDrain in Modeling Agricultural Subsurface Drainage Systems in KwaZulu-Natal, South Africa - Aiden Sanson, University of KwaZulu-Natal

**3rd Floor Davenport**
- Revisiting Drainage Ditch Systems - Challenges and Emerging Solutions for Managing Water Volume and Protecting Water Quality
- History, Science, and Benefits of Two-Stage and Self-Forming Ditches - Jonathan Witter, Ohio State University Agricultural Technical Institute
- Implementing and Maintaining Two-Stage Ditches, A County Engineer’s Perspective - Mike Pieniewski, County Engineer Lucas County, Ohio
- Promoting Adoption of Ditch Conservation Practices: Lessons Learned from Outreach Efforts and H2Ohio State Funding in Ohio - Jessica D’Ambrosio, The Nature Conservancy
- Panel Discussion on Revisiting Drainage Ditch Systems with Session Speakers

**3:00 PM - 5:00 PM**
- Afternoon Break: Exhibit Hall and Poster Presentations Open

**3:30 PM - 5:00 PM**
- Closing General Session - Chandra Madramootoo, McGill University
- 2nd Floor: Des Moines Exhibit Hall