APMS 2016 Pre-Final Agenda

Meeting-at-a-Glance (See daily Agendas-at-a-Glance below for specific event times and locations)

Sunday:
APMS Board of Directors Meeting
Exhibits Setup
Poster Setup
Registration Begins
Student Meet and Greet
Presidents’ Reception

Monday:
Registration
General Meeting Opens
Guest Tour
Student Affairs Luncheon
Regional Chapters Presidents’ Luncheon
APMS Annual Business Meeting
Poster Session & Reception

Tuesday:
Registration
General Session – Student Presentations
APMS Past Presidents’ Luncheon
Women in Aquatics Luncheon
Awards Banquet Reception
Awards Banquet – APMS Awards Presentations

Wednesday:
General Session – Updates
General Meeting Adjourns – 12:35 pm
Student Tour
APMS Board of Directors Meeting

Sunday, July 17

Sunday’s Agenda-at-a-Glance

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:30 am</td>
<td>APMS Board of Directors Meeting (Pearl Room)</td>
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<tr>
<td>12:00 pm</td>
<td>Exhibits Setup (Ambassador Ballroom East)</td>
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<tr>
<td>12:00 pm</td>
<td>Poster Setup (Ambassador Ballroom East)</td>
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<tr>
<td>1:00 pm</td>
<td>Registration (Crown Foyer – Ambassador Ballrooms)</td>
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<tr>
<td>6:00 pm</td>
<td>Student Meet and Greet (Garden Court – Lobby Level)</td>
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<tr>
<td>7:00 pm</td>
<td>President’s Reception (Gerald R. and Betty Ford Presidential Ballroom Room)</td>
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Monday, July 18

Monday’s Agenda-at-a-Glance

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>7:00 am</td>
<td>Continental Breakfast (Ambassador Ballroom East)</td>
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<tr>
<td>7:00 am</td>
<td>Exhibits Open (Ambassador Ballroom East)</td>
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<tr>
<td>7:00 am</td>
<td>Posters Open (Ambassador Ballroom East)</td>
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<tr>
<td>7:30 am</td>
<td>Registration (Crown Foyer – Ambassador Ballrooms)</td>
</tr>
<tr>
<td>8:00 am</td>
<td>Session I – Keynote Session (Ambassador Ballroom West)</td>
</tr>
<tr>
<td>10:00 am</td>
<td>Guest Tour – Pre-registered Guests meet at the Lyon Square entrance at 9:45 am</td>
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<tr>
<td>9:40 am</td>
<td>Refreshment Break (Ambassador Ballroom East)</td>
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<tr>
<td>11:40 am</td>
<td>Lunch on your own</td>
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<tr>
<td>11:40 am</td>
<td>APMS Student Affairs Luncheon (Emerald A)</td>
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<tr>
<td>11:40 am</td>
<td>Regional Chapters Presidents’ Luncheon (Emerald B)</td>
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<tr>
<td>1:00 pm</td>
<td>Session II – Midwest Session and Student Presentations (Ambassador Ballroom West)</td>
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<tr>
<td>2:40 pm</td>
<td>Refreshment Break (Ambassador Ballroom East)</td>
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<tr>
<td>5:00 pm</td>
<td>APMS Annual Business Meeting (Ambassador Ballroom West)</td>
</tr>
<tr>
<td>6:00 pm</td>
<td>Poster Session and Reception (Crown Foyer - Ambassador Ballroom East)</td>
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</table>
Session I – Symposium and General Presentations on Midwest Aquatic Plant Management Issues
8:00 am - 11:40 am
Ambassador Ballroom West

Moderator: Dr. John Madsen - APMS President Elect, Program Committee Chair, Legislative Committee Chair
U.S. Department of Agriculture, Agriculture Research Service, Exotic and Invasive Weeds Research Unit, Davis, CA

8:00 am Call to Order - Announcements
John Madsen
U.S. Department of Agriculture, Agriculture Research Service, Exotic and Invasive Weeds Research Unit, Davis, CA

8:05 am Presidential Address
Robert J. Richardson
North Carolina State University, Crop Science Department, Raleigh, NC

8:15 am Partnerships for Management: Practitioners, Regulators, Researchers, and Resource Managers Symposium Introduction – John Madsen

8:20 am Minnesota’s Approach to Management of Invasive Aquatic Plants
Chip Welling
Minnesota Department of Natural Resources, Division of Ecological and Water Resources, Saint Paul, MN

8:40 am Collaborative Research on Invasive Aquatic Plant Management, a Consultant’s Perspective
Paul J. Hauser
Progressive AE, Grand Rapids, MI

9:00 am Aquatic Plant Management as a Collaborative Process from the Perspective of a Management Practitioner
Jason Broekstra
PLM Lake & Land Management Corporation, Alto, MI

9:20 am Collaboration for Invasive Aquatic Plant Management, A Lakeshore Owner’s Perspective
Scott Brown
Executive Director, Michigan Lake & Stream Association, Grass Lake, MI

9:40 am Refreshment Break (Ambassador Ballroom East)

10:00 am Role of Government Research on Regional Aquatic Plant Management Issues: Demonstration Projects
Michael D. Netherland¹ and Kurt D. Getinger²
¹U.S. Army Engineer and Research Development Center, Environmental Laboratory, Gainesville, FL
²U.S. Army Engineer and Research Development Center, Environmental Laboratory, Vicksburg, MS

10:20 am The Role of a University Specialist in Regional Aquatic Plant Management Programs
Robert J. Richardson and Steve T. Hoyle
North Carolina State University, Crop Science Department, Raleigh, NC

10:40 am Panel Discussion

11:00 am The Michigan Aquatic Nuisance Plant Species Program
Lisa Huberty
Michigan Department of Environmental Quality, Water Resources, Division, Lansing, MI

11:20 am The Michigan Aquatic Invasive Species Program
Sarah LeSage
Michigan Department of Environmental Quality, Water Resources Division, Lansing, MI

11:40 am Morning Wrap-up and Announcements - Lunch on your own
Session II – Midwest Session and Student Presentations
1:00 pm - 5:00 pm
Ambassador Ballroom West

Moderator: Michael D. Netherland, APMS Awards Committee Chair, Past President (2014)
U.S. Army Engineer and Research Development Center, Environmental Laboratory, Gainesville, FL

1:00 pm  
Response of Aquatic Macrophytes to Removal of Invasive Common Carp in a Minnesota Shallow Lake (Student Presentation)  
Melaney Dunne¹, Raymond M. Newman¹, Przemyslaw G. Bajer², and Peter Sorensen¹  
¹University of Minnesota, Department of Fisheries, Wildlife, and Conservation Biology, Saint Paul, MN  
²University of Minnesota, Minnesota Aquatic Invasive Species Research Center, Saint Paul, MN

1:20 pm  
Water Soldier (Stratiotes aloides) in Ontario - Preventing Its Spread to the Great Lakes  
Holly I. Simpson  
Ontario Ministry of Natural Resources and Forestry, Peterborough, Ontario, Canada

1:40 pm  
Response of Eurasian and Hybrid Watermilfoil to Five Auxin-mimic Herbicides (Student Presentation)  
Jens Beets¹ and Michael D. Netherland²  
¹University of Florida, Agronomy Department, Gainesville, FL  
²U.S. Army Engineer and Research Development Center, Environmental Laboratory, Gainesville, FL

2:00 pm  
Invasional Meltdown in Minnesota Lakes: Non-native Plants Are Winners and Native Plants Are Losers when Common Carp Invade  
Daniel J. Larkin¹, Marcus W. Beck², and Przemyslaw G. Bajer¹  
¹University of Minnesota, Minnesota Aquatic Invasive Species Research Center, Saint Paul, MN  
²U.S. Environmental Protection Agency, National Health and Environmental Effects Research Laboratory, Gulf Breeze, FL

2:20 pm  
Biology and Management of Monoecious Hydrilla (Hydrilla verticillata) (Student Presentation)  
Joshua D. Wood¹ and Michael D. Netherland²  
¹University of Florida, Center for Aquatic and Invasive Plants, Gainesville, FL  
²U.S. Army Engineer and Research Development Center, Environmental Laboratory, Gainesville, FL

2:40 pm  
Refreshment Break (Ambassador Ballroom East)

3:00 pm  
Evaluating the Sensitivity of Seven Aquatic Plants to Procellactor™ Herbicide (Student Presentation)  
Erika Haug¹, Robert J. Richardson¹, Michael D. Netherland², and Mark Heilman³  
¹North Carolina State University, Crop Science Department, Raleigh, NC  
²U.S. Army Engineer and Research Development Center, Environmental Laboratory, Gainesville, FL  
³SePRO Corporation, Carmel, IN

3:20 pm  
Hydrilla (Hydrilla verticillata) Risk Assessment for the Great Lakes Basin  
Carl E. Mach¹, Kris Erickson¹, Matthew A. Barnes², Jonathan M. Bossenbroek³, Robert J. Richardson⁴, Christina Rockwell⁵, and Kathleen Evans¹  
¹Ecology and Environment, Incorporated, Lancaster, NY  
²Texas Tech University, Natural Resources Management, Lubbock, TX  
³University of Toledo, Environmental Science, Toledo, OH  
⁴North Carolina State University, Crop Science Department, Raleigh, NC  
⁵Ecology and Environment, Incorporated, Buffalo, NY

3:40 pm  
Potential Spread of Hydrilla (Hydrilla verticillata) to the Great Lakes Basin (Student Presentation)  
Kristen M. Hebebrand and Jonathan M. Bossenbroek  
University of Toledo, Environmental Science, Toledo, OH
Combining Multiple Species Distribution Modeling Approaches to Predict Suitable Habitat for the Invasive Aquatic Macrophyte *Hydrilla verticillata*
Sasha D. Soto¹, Matthew A. Barnes¹, Carl Mach², Carlos Portillo-Quintero³, Christina Rockwell², and Kris Erickson²
¹Texas Tech University, Natural Resources Management Department, Lubbock, TX
²Ecology and Environment, Incorporated, Buffalo, NY

Competition of Select Submersed Aquatic Plants with Hydrilla in a Cool and a Warm Climate (*Student Presentation*)
Amy Henry, Tyler Harris, and Robert J. Richardson
North Carolina State University, Crop Science Department, Raleigh, NC

Development and Enhancement of the Michigan Invasive Aquatic Plant Citizen Monitoring Program
Angela A. De Palma-Dow and Jo Latimore
Michigan State University, East Lansing, MI

APMS Annual Business Meeting

Poster Session and Reception (*Crown Foyer - Ambassador Ballroom East*)

Starry Stonewort: Using eDNA Technology to Address Identification Challenges Faced by Lake Monitoring Volunteers and Professionals
Angela A. De Palma-Dow¹, Erick Elgin², Maggie Williams³, and Jo Latimore¹
¹Michigan State University, East Lansing, MI
²MiCorps Cooperative Lakes Monitoring Program, East Lansing, MI
³Michigan State University, Environmental Engineering, East Lansing, MI

An Evaluation of Past and Present Aeration Designs: An Ohio Case Study
Patrick M. Goodwin
Vertex Water Features, Ponte Vedra Beach, FL

Control of Dreissenid Mussels with a more Rational Use of Copper
David G. Hammond
Earth Science Labs, Incorporated, Greenbrae, CA

2,4-D Metabolism in Eurasian Watermilfoil (*Myriophyllum spicatum*) and Several 2,4-D Tolerant Milfoil Hybrid Populations (*M. spicatum X M. sibiricum*) (*Student Presentation*)
Kallie C. Kessler, Mirella Ortiz, and Scott J. Nissen
Colorado State University, Fort Collins, CO

Delta Region Areawide Aquatic Weed Project and the Adaptive Management of Invasive Weeds in the Sacramento / San Joaquin River System
John D. Madsen¹, Patrick J. Moran², Paul J. Pratt², David L. Bubenheim³, and Edward J. Hard⁴
¹U.S. Department of Agriculture, Agriculture Research Service, Exotic and Invasive Weeds Research Unit, Davis, CA
²U.S. Department of Agriculture, Agriculture Research Service, Exotic and Invasive Weeds Research Unit, Albany, CA
³National Aeronautics and Space Administration, Ames Research Center, Moffett Field, CA
⁴California Department of Parks and Recreation, Division of Boating and Waterways, Sacramento, CA

Integration of Prevention, Early Detection, and Suppression of Aquatic Invasive Species: An Example from Eurasian Watermilfoil Management
Alejandro Reyes
State University of New York, Oneonta Biological Field Station, Oneonta, NY
Ecological Restoration Using Aquatic Mechanical Harvesting
Bruce A. Richards
Weedoo Shoreline Workboats, Incorporated, Hockessin, DE

Incorporation of Biotype Alters Species Distribution Model Predictions of Suitable Habitat for the Invasive Aquatic Macrophyte, *Hydrilla verticillata* (Student Presentation)
Sasha D. Soto¹, Carl Mach², Carlos Portillo-Quintero¹, Christina Rockwell², Kris Erickson², and Matthew A. Barnes¹
¹Texas Tech University, Natural Resources Management Department, Lubbock, TX
²Ecology and Environment, Incorporated, Buffalo, NY

The Effects of the Contact Herbicide Diquat on Mixed Stands of Flowering Rush and Hardstem Bulrush in Lake Sallie, MN - a Pilot Study
Lee G. Turnage¹, Brent Alcott², and Tera Guetter²
¹Mississippi State University, Geosystems Research Institute, Starkville, MS
²Pelican River Watershed District, Detroit Lakes, MN

Tuesday, July 19

Tuesday’s Agenda-at-a-Glance

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<tr>
<th>Time</th>
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<td>7:00 am</td>
<td>Continental Breakfast</td>
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<td>7:30 am</td>
<td>Registration</td>
<td>Crown Foyer – Ambassador Ballroom East</td>
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<tr>
<td>8:00 am</td>
<td>Session III – General Session and Student Presentations</td>
<td>Ambassador Ballroom West</td>
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<td>9:40 am</td>
<td>Refreshment Break</td>
<td>Ambassador Ballroom East</td>
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<td>11:40 am</td>
<td>Lunch on your own</td>
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<td>11:40 am</td>
<td>APMS Past Presidents’ Luncheon</td>
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<td>11:40 am</td>
<td>Women in Aquatics Luncheon</td>
<td>Vandenber B</td>
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<tr>
<td>1:00 pm</td>
<td>Session IV – General Session and Student Presentations</td>
<td>Ambassador Ballroom West</td>
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<td>2:40 pm</td>
<td>Refreshment Break</td>
<td>Ambassador Ballroom East</td>
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<tr>
<td>6:30 pm</td>
<td>Awards Reception</td>
<td>Center Concourse</td>
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<tr>
<td>7:00 pm</td>
<td>Awards Banquet</td>
<td>Pantlind Room</td>
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<tr>
<td>8:30 pm</td>
<td>APMS Awards Presentations</td>
<td>Pantlind Room</td>
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Session III – General Session and Student Presentations

8:00 am - 11:40 am
Ambassador Ballroom West

**Moderator:** Christopher R. Mudge – APMS Student Affairs Committee Chair
*U.S. Army Corps of Engineers, Engineer Research and Development Center, Baton Rouge, LA*

8:00 am  **Translocation of**¹⁴C-Endothall in Eurasian Watermilfoil and Two Hydrilla Biotypes (Student Presentation)
Mirella Ortiz¹, Kallie C. Kessler¹, Scott J. Nissen¹, and Cody J. Gray²
¹Colorado State University, Fort Collins, CO
²UPI, Peyton, CO

8:20 am  **AERF Update**
Carlton Layne
Aquatic Ecosystem Restoration Foundation, Marietta, GA

8:40 pm  **Identifying Morphological Differences and Herbicide Efficacy of the Uruguay Water Primrose Complex** (*Ludwigia uruguayensis*) in Florida (Student Presentation)
Afsari Banu, Stephen F. Enloe, and Colette Jacono
University of Florida, Agronomy Department, Gainesville, FL
At the Front of a Storm: What Emerging Federal Processes for Endangered Species Risk Assessment Will Mean to the Registration
Bernalyn D. McGaughey
Compliance Services International, Lakewood, WA

A Novel High-throughput Genotyping Assay for Distinguishing *Myriophyllum* spp. and their Hybrids (Student Presentation)
Kallie C. Kessler¹, Eric L. Patterson¹, Margaret B. Fleming², Scott J. Nissen¹, and Todd A. Gaines¹
¹Colorado State University, Fort Collins, CO
²U.S. Department of Agriculture, Agriculture Research Service, National Center for Genetic Resources Preservation, Fort Collins, CO

Refreshment Break (Ambassador Ballroom East)

Effects of Aquatic Herbicides on Brazilian Pepper Tree (*Schinus terebinthifolius*) (Student Presentation)
Cody A. Lastinger and Stephen F. Enloe
University of Florida, Agronomy Department, Gainesville, FL

Washington Update
Lee VanWychen
Weed Science Society of America, Alexandria, VA

Influence of Copper Algaecide Concentration and Formulation on Aqueous Microcystin-LR Degradation (Student Presentation)
Kyla J. Iwinski¹, Ciera M. Kinley², Alyssa Calomeni², Tyler Geer², and John Rodgers, Jr.²
¹Clemson University, Department of Wildlife and Fisheries Biology, Clemson, SC
²Clemson University, Department of Forestry and Environmental Conservation, Clemson, SC

Control of Taste and Odor Producing Algae in Source Water for Anderson Regional Joint Water System
John H. Rodgers, Jr.¹, Alyssa Calomeni¹, Kyla J. Iwinski², Tyler Geer¹, Matt Huddleston³, Scott Willett⁴, Jennifer Barrington⁴
¹Clemson University, Department of Forestry and Environmental Conservation, Clemson, SC
²Clemson University, Department of Wildlife and Fisheries Biology, Clemson, SC
³SynTerra, Greenville, SC
⁴Anderson Regional Joint Water System, Anderson, SC

Influence of Dissolved and Particulate Organic Carbon on Exposures of an SCP Algaecide and Consequent Responses of *Microcystis aeruginosa* (Student Presentation)
Tyler Geer, Ciera M. Kinley, Kyla J. Iwinski, Alyssa Calomeni, John H. Rodgers, Jr.
Clemson University, Department of Forestry and Environmental Conservation, Clemson, SC

Morning Wrap-up and Announcements - Lunch on your own

Session IV – General Session and Student Presentations
1:00 pm - 5:20 pm
Ambassador Ballroom West

Moderator: Ryan M. Wersal – APMS Director
Lonza, Alpharetta, GA

Field Monitoring and Sampling of Chemically Treated Giant Salvinia in Louisiana and Texas
Christopher R. Mudge¹ and Bradley T. Sartain²
¹U.S. Army Engineer and Research Development Center, Baton Rouge, LA
²Louisiana State University, School of Plant, Environmental, and Soil Sciences, Baton Rouge, LA
1:20 pm  **Bald Cypress (**_Taxodium distichum_** (L.) Rich.) Survival and Re-leafing Success in Response to Low GPA Winter Herbicide Applications for Managing Giant Salvinia (**Salvinia molesta** D.S. Mitchell) (Student Presentation)**

Bradley T. Sartain¹ and Christopher R. Mudge²

¹Louisiana State University, School of Plant, Environmental, and Soil Sciences, Baton Rouge, LA
²U.S. Army Engineer and Research Development Center, Baton Rouge, LA

1:40 pm  **The Corps of Engineers Aquatic Plant Control Research Program – An Update**

Linda Nelson¹ and Jeremy Crossland²

¹U.S. Army Engineer Research and Development Center, Vicksburg, MS
²U.S. Army Corps of Engineers, Headquarters, Washington, DC

2:00 pm  **Evaluation of an Integrated Pest Management Approach using Herbicide Treatments and the Giant Salvinia Weevil (**Cyrtobagous salviniae**) to Control Giant Salvinia (**Salvinia molesta**) (Student Presentation)**

Allie Cozad¹ and Christopher R. Mudge²

¹Louisiana State University, Natchitoches, LA
²U.S. Army Engineer and Research Development Center, Baton Rouge, LA

2:20 pm  **The State of the State of Old World Climbing Fern in Florida**

Stephen F. Enloe

University of Florida, Agronomy Department, Gainesville, FL

2:40 pm  **Refreshment Break (Ambassador Ballroom East)**

3:00 pm  **Monoecious Hydrilla Management in a Lotic System: Target and Non-target Responses to Fluridone (Student Presentation)**

Shannon Auell¹, Greg Cope², Steve T. Hoyle¹, and Robert J. Richardson¹

¹North Carolina State University, Crop Science Department, Raleigh, NC
²North Carolina State University, Applied Ecology Department, Raleigh, NC

3:20 pm  **The Challenges and Techniques of Managing Monoecious Hydrilla in Flowing Water Systems**

Justin J. Nawrocki and Robert J. Richardson

North Carolina State University, Crop Science Department, Raleigh, NC

3:40 pm  **Integrated Management of Waterhyacinth (**Eichhornia crassipes**) (Student Presentation)**

Samantha Sardes¹, Lyn A. Gettys¹, Carl J. Della Torre III¹, Carey Minteer², and Philip Tipping²

¹University of Florida, Ft Lauderdale Research and Education Center, Davie, FL
²U.S. Department of Agriculture, Agriculture Research Service, Invasive Plants Research Laboratory, Davie, FL

4:00 pm  **Monitoring and Research Advancements of Invasive Milfoil Control**

Eddie J. Heath¹, Michelle Nault², John Skogerboe³, and Tim Hoyman¹

¹Onterra LLC, De Pere, WI
²Wisconsin Department of Natural Resources, Green Bay, WI
³Retired - U.S. Army Corps of Engineers, Engineer Research and Development Center, Lake Elmo, MN

4:20 pm  **Correlation of Hydroacoustic Biovolume Estimation to Submersed Plant Biomass (Student Presentation)**

Andrew Howell and Robert J. Richardson

North Carolina State University, Crop Science Department, Raleigh, NC

4:40 pm  **Factors Affecting Curlyleaf Pondweed Frequency of Occurrence and Relative Density in Managed and Unmanaged Systems: An Analysis of Results from 60 Lakes**

Raymond M. Newman and Adam R. Kautza

University of Minnesota, Department of Fisheries, Wildlife, and Conservation Biology, Saint Paul, MN
**5:00 pm** The Effects of Organic Matter Content, Nitrogen, and Phosphorus on Growth of Illinois Pondweed *(Student Presentation)*
Jonathan R. Gosselin and William Haller
*University of Florida, Agronomy Department, Center for Aquatic and Invasive Plants, Gainesville, FL*

**5:20 pm** Adjourn General Session

**6:30 pm** Awards Banquet Reception *(Center Concourse)*

**7:00 pm** Awards Banquet *(Pantlind Room)*

**Wednesday, July 20**

**Wednesday’s Agenda-at-a-Glance**

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<td>7:30 am</td>
<td>Registration <em>(Crown Foyer – Ambassador Ballroom)</em></td>
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<tr>
<td>8:00 am</td>
<td>Session V – General Presentations and Updates <em>(Ambassador Ballroom West)</em></td>
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<td>9:40 am</td>
<td>Refreshment Break <em>(Ambassador Ballroom East)</em></td>
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<tr>
<td>10:00 am</td>
<td>Poster and Exhibit Breakdown <em>(Ambassador Ballroom East)</em></td>
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<tr>
<td>12:45 pm</td>
<td>Student Tour Begins</td>
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<td>1:15 pm</td>
<td>APMS Board of Directors Meeting <em>(Grandview Room)</em></td>
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**Session V – General Presentations and Updates**

8:00 am - 12:35 pm *Ambassador Ballroom West*

**Moderator:** Dr. John H. Rodgers, Jr. - APMS Vice President, Regional Chapters Committee Chair
*Clemson University, Department of Forestry and Environmental Conservation, Clemson, SC*

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<th>Time</th>
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<tbody>
<tr>
<td>8:00 am</td>
<td><strong>PROCELLACOR™ – A Novel Herbicide Technology in Development for Aquatic Plant Management</strong></td>
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<td>Mark A. Heilman</td>
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<td>SePRO Corporation, Carmel, IN</td>
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<td>8:20 am</td>
<td><strong>Mesocosm Evaluations on Hybrid Milfoil from Three Wisconsin Lakes</strong></td>
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<td>Ryan M. Wersal¹, Scott M. Provost¹, Brenda Nordin¹, and Bill Ratajczyk¹</td>
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<td>¹Lonza, Alpharetta, GA</td>
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<td>²Wisconsin Department of Natural Resources, Wisconsin Rapids, WI</td>
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<td>³Wisconsin Department of Natural Resources, Green Bay, WI</td>
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<td>⁴Lonza, Jackson, WI</td>
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<td>8:40 am</td>
<td><strong>Vegetative Reproductive Ability of Crested Floating Heart (Nymphoides cristata)</strong></td>
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<td>Lyn A. Gettys, Carl J. Della Torre III, and Kyle Thayer</td>
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<td>University of Florida, Ft Lauderdale Research and Education Center, Davie, FL</td>
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<tr>
<td>9:00 am</td>
<td><strong>Strategic Management of Aquatic Weeds in New Zealand</strong></td>
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<td>Paul D. Champion</td>
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<td>National Institute of Water and Atmospheric Research, Hamilton, New Zealand</td>
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<tr>
<td>9:20 am</td>
<td><strong>Eradicating Aquatic Weeds - Success and Progress</strong></td>
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<td>Deborah E. Hofstra¹, John S. Clayton², and Paul D. Champion</td>
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<tr>
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<td>¹National Institute of Water and Atmospheric Research, Freshwater and Estuaries Centre, Hamilton, New Zealand</td>
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<tr>
<td></td>
<td>²National Institute of Water and Atmospheric Research, Hamilton, New Zealand</td>
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<tr>
<td>9:40 am</td>
<td><strong>Refreshment Break</strong> <em>(Ambassador Ballroom East)</em></td>
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10:00 am  Evaluation of EcoAnalytics and Canopeo: Tools to Assist with Aquatic Plant Surveys and Impacts of Herbicide Treatments  
Dean Jones\(^1\), Ryan Moore\(^2\), and Michael D. Netherland\(^3\)  
\(^1\)University of Florida, Center for Aquatic and Invasive Plants, Lake Alfred, FL  
\(^2\)Gator Creek Technologies, LLC, Lakeland, FL  
\(^3\)U.S. Army Engineer and Research Development Center, Environmental Laboratory, Gainesville, FL

10:20 am  Total Lake Vegetation Mapping Utilizing Sonar Plus Other Sensing Technologies  
Steve T. Hoyle, Andrew Howell, and Robert J. Richardson  
North Carolina State University, Crop Science Department, Raleigh, NC

10:40 am  Data Deluge from Automated Sensors: A Problem for Aquatic Plant Management or an Opportunity?  
Ray D. Valley  
Navico (BioBase), Digital Marine Division, Minneapolis, MN

11:00 am  The Potential for Cryptic Taxa in Aquatic Systems  
Syndell Parks  
GenPass LLC, Muskegon, MI

11:20 am  Effective Management of Starry Stonewort  
Ben E. Willis and West M. Bishop  
SePRO, SePRO Research & Technology Campus, Whitakers, NC

11:40 am  Sediment and Nutrient Reduction Using Bacteria  
Clarence E. Timmer\(^1\) and Trace Wolfe\(^2\)  
\(^1\)Aquatic Vegetation Control, Incorporated, Port Saint Lucy, FL  
\(^2\)Clear Waters, Incorporated, New Smyrna Beach, FL

12:00 pm  APMS Regional Chapters: An Update on Key Initiatives within Each Region  
John H. Rodgers, Jr., Moderator  
Western South Carolina Midwest Florida  
Texas Northeast MidSouth

12:35 pm  Wrap-up and Adjourn 56\(^{th}\) Annual Meeting

1:15 pm  APMS Board of Directors Meeting (Grandview Room)