

MidSouth Aquatic Plant Management Society 38th Annual Meeting



PROGRAM

November 4th-6th, 2019
Hilton Baton Rouge Capitol Center
Baton Rouge, Louisiana

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President's Award

Terry Goldsby (2007)
Bob Gunkel (2008)
Gerald Adrian (2009)
Carlton Layne (2010)
John Madsen (2011)
Sherry Whitaker (2012)
Aqua Services, Inc. (2013)
Craig Aguillard (2014)
Jeremy Slade (2016)
Friends & Families of MSAPMS Members (2017)
Ryan Wersal (2018)

Honorary Members

Angus Gholson, Jr. (1983)
John Lawrence (1989)
A. Leon Bates (1996)
J. Lewis Decell (1996)
Joe Kight (1997)
David Bayne (2006)
Scott Lankford (2007)
Bob Gunkel (2008)
Tom Broadwell (2014)
David Webb (2015)

Sustaining Members

Airmax
Alabama Power Company
Alligare, LLC
Applied Biochemist
Aqua Services, Inc.
Aquatic Control, Inc.
BioSafe Systems
Brewer International
Cygnet Enterprises, Inc.
EasyPro
Helena Agri-Enterprises, LLC
Kasco Marine
Keycolour
Nufarm Americas
Nutrien Solutions
Orion
Outdoor Water Solutions, Inc.
SePRO Corporation
Syngenta
UPL
Winfield United

Exhibitors

The MidSouth Aquatic Plant Management Society appreciates the following companies for exhibiting their products and services.

Airmax	Alligare, LLC
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Brewer International	Cygnet Enterprises, Inc.
EasyPro	Helena Agri-Enterprises, LLC
Kasco Marine	Nufarm Americas
Nutrien Solutions	Orion
Outdoor Water Solutions	SePRO Corporation
Syngenta	UPL
WinField United	

Past Presidents and Meeting Sites

1982	David Bayne	Guntersville, Alabama
1983	David Bayne	Bainbridge, Georgia
1984	Terry Goldsby	Mobile, Alabama
1985	Joe Zolczynski	Jackson, Mississippi
1986	David Franks	Gulf Shores, Alabama
1987	Joe Stephenson	Decatur, Alabama
1988	Leon Bates	Gulf Shores, Alabama
1989	Raymond Cooper	Montgomery, Alabama
1990	Barry Smith	Eufaula, Alabama
1991	Mike Eubanks	Auburn, Alabama
1992	Randell Goodman	Guntersville, Alabama
1993	Earl Burns	Gulf Shores, Alabama
1994	Fred Harders	Birmingham, Alabama
1995	Scott Lankford	Sheffield, Alabama
1996	David Webb	Gulf Shores, Alabama
1997	Stan Cook	Vicksburg, Mississippi
1998	Lewis Decell	Guntersville, Alabama
1999	Harry Knight	Gulf Shores, Alabama
2000	Mark Tow	Eufaula, Alabama
2001	Ken Weathers	Columbus, Mississippi
2002	David Franks	Gulf Shores, Alabama
2003	Tom Broadwell	Auburn, Alabama
2004	Eric Barkemeyer	Mobile, Alabama
2005	Joe Jernigan	Robinsonville, Mississippi
2006	Craig Aguillard	Orange Beach, Alabama
2007	Bob Gunkel	Nashville, Tennessee
2008	Bryan Goldsby	Mobile, Alabama
2009	John Madsen	Guntersville, Alabama
2010	Jason Carlee	Guntersville, Alabama
2011	Harry Knight	Guntersville, Alabama
2012	Troy Goldsby	Mobile, Alabama
2013	Gerald Adrian	Tunica, Mississippi
2014	Sherry Whitaker	Savannah, Georgia
2015	Josh Yerby	Mobile, Alabama
2016	Alex Perret	Baton Rouge, Louisiana
2017	Ryan Wersal	Birmingham, Alabama
2018	Jeremy Slade	Chattanooga, Tennessee
2019	Scott Jackson	Baton Rouge, Louisiana

Sponsors

The MidSouth Aquatic Plant Management Society appreciates the generous support of the following meeting sponsors. Through the kindness of their support and contributions, we are able to conduct a successful and enjoyable meeting.

Platinum

Airmax
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Contributors

Alabama Power Company
Keycolour

Meeting Agenda

Monday, November 4th

Monday's Agenda-at-a-Glance

3:00 pm - 5:00 pm	Board of Directors Meeting (<i>Boardroom</i>)
1:00 pm - 5:00 pm	Meeting Registration (<i>Foyer</i>)
1:00 pm - 5:00 pm	Exhibits Setup (<i>Riverview B</i>)
5:30 pm - 7:30 pm	Welcoming Social (<i>Heidelberg Ballroom</i>)

Dinner on your own

Tuesday, November 5th

Tuesday's Agenda-at-a-Glance

7:00 am - 8:00 am	Breakfast (<i>Riverview B</i>)
8:00 am - 5:00 pm	Meeting Registration (<i>Foyer</i>)
8:00 am - 5:00 pm	Exhibits Open (<i>Riverview B</i>)
8:00 am - 12:15 pm	Midsouth APMS Aquatic Plant Workshop (<i>Riverview A</i>)
10:00 am - 10:15 am	Refreshment Break (<i>Riverview B</i>)
10:15 am - 12:15 pm	Midsouth APMS Aquatic Plant Workshop Continued (<i>Riverview A</i>)
12:15 pm - 1:30 pm	Lunch (<i>on your own</i>)
1:30 pm - 3:15 pm	General Session I (<i>Riverview A</i>)
3:15 pm - 3:30 pm	Refreshment Break (<i>Riverview B</i>)
3:30 pm - 5:00 pm	General Session II (<i>Riverview A</i>)

Dinner on your own

Midsouth APMP Aquatic Plant Workshop (*Riverview A*)

8:00 am	An Introduction to Chemical Control of Aquatic Plants Chris Mudge <i>U.S. Army EDRC, Baton Rouge, Louisiana</i>
8:30 am	Herbicides for Use in Aquatic Environments Gray Turnage <i>Mississippi State University, Starkville, Mississippi</i>
9:00 am	Biological Control of Aquatic Weeds – Principles and Applications Rodrigo Diaz <i>Louisiana State University, Baton Rouge, Louisiana</i>
9:30 am	Mass Rearing of Salvinia Weevil (<i>Cyrtobagous salviniae</i>) for Biological Control of Giant Salvinia Charles Wahl <i>Louisiana State University, Baton Rouge, Louisiana</i>
10:00 am	Refreshment Break (Riverview B)
10:15 am	Urban Pond Management and Interacting with the Public Kenneth Rust <i>Louisiana Pond Management, Baton Rouge, Louisiana</i>
11:00 am	Boating Safety and Operation Basics Sergeant Mason Spillman <i>Louisiana Department of Wildlife and Fisheries, Baton Rouge, Louisiana</i>

11:45 am **Aquatic Plant Identification**
Chris Mudge
U.S. Army EDRC, Baton Rouge, Louisiana

12:15 pm **Lunch on your own**

Special Session – Public Relations in Aquatic Plant Management (*Riverview A*)

Moderator: **Brett Hartis**, *Duke Energy Corporation, Huntersville, North Carolina*

1:30 pm **Opening Remarks and Announcements**
Brett Hartis
Duke Energy Corporation, Huntersville, North Carolina

1:35 pm **Presidential Address**
Scott Jackson
Syngenta, West Palm Beach, Florida

1:45 pm **Stakeholder Communication – Keeping Cool Under Fire!**
Shelby Oesterreicher
University of Florida, Gainesville, Florida

2:15 pm **Communicating with the Public – What Applicators and Managers Should Know**
Jay Ferrell
University of Florida, Gainesville, Florida

2:45 pm **Social Media Best Management Practices**
Shelby Oesterreicher
University of Florida, Gainesville, Florida

3:15 pm **Refreshment Break** (*Riverview B*)

General Session II (*Riverview A*)

Moderator: **Brett Hartis**, *Duke Energy Corporation, Huntersville, North Carolina*

3:30 pm **Glyphosate; Science, Litigation, and Future Direction**
Jay Ferrell
University of Florida, Gainesville, Florida

4:30 pm **Diquat Q&A Review**
Scott Jackson
Syngenta, West Palm Beach, Florida

5:00 pm **General Sessions Conclude - Announcements**

Dinner on your Own

Wednesday, November 6th - General Sessions

Wednesday's Agenda-at-a-Glance

7:00 am - 8:00 pm Breakfast (*Riverview B*)
8:00 am - 5:00 pm Meeting Registration (*Foyer*)
8:00 am - 5:00 pm Exhibits Open (*Riverview B*)
8:00 am - 10:00 am Session III (*Riverview A*)
10:00 am - 10:20 am Refreshment Break (*Riverview B*)
10:20 am - 12:30 pm Session IV (*Riverview A*)
12:30 pm - 2:00 pm MSAPMS Award Luncheon (*Heidelberg Ballroom*)
2:00 pm - 3:20 pm Session V (*Riverview A*)

3:20 pm - 3:30 pm Refreshment Break (*Riverview B*)
3:30 pm - 4:20 pm Session VI (*Riverview A*)
4:20 pm - 5:00 pm Business Meeting (*Riverview A*)
5:00 pm - 5:30 pm Board of Directors Meeting (*Magnolia Room*)
5:30 pm - 9:00 pm Presidential Farewell Social and Raffle (*Heidelberg Ballroom*)

General Session III (*Riverview A*)

Moderator: **J.J. Ferris**, *Cygnnet Enterprises, Statesville, NC*

8:00 am **Impact of Metsulfuron on Non-target Aquatic and Upland Species**
William Prevost
Louisiana State University, Baton Rouge, LA

8:20 am **Comparing Efficacy Between Generic vs. Proprietary Aquatic Herbicides for Control of Emergent Plants**
Chris Mudge
U.S. Army EDRC, Baton Rouge, Louisiana

8:40 am **Investigation of Reduced Herbicide Rates and Tank Mixes Applied via Submersed Injection for the Control of Cuban Bulrush (*Oxycarum cubanense*)**
Gray Turnage
Mississippi State University, Starkville, Mississippi

9:00 am **Growth Trends of Giant Salvinia (*Salvinia molesta*) in North Louisiana**
Alex Perret
Louisiana Department of Wildlife and Fisheries, Baton Rouge, Louisiana

9:20 am **How Does Giant Salvinia Impact Macroinvertebrate Community Structure?**
Charles Wahl
Louisiana State University, Baton Rouge, Louisiana

9:40 am **Measuring Wetland Recovery Following Control of Giant Salvinia by the Salvinia Weevil in Cameron Parish, Louisiana**
Steven E. Woodley
Louisiana State University, Baton Rouge, Louisiana

10:00 am **Refreshment Break** (*Riverview B*)

General Session IV (*Riverview A*)

Moderator: **Gray Turnage**, *Mississippi State University, Starkville, Mississippi*

10:20 am **Novel Host Association of *Parenthis vestitus* on the Invasive Aquatic Plant *Myriophyllum aquaticum***
Seth Spinner (*Student Presentation*)
Louisiana State University, Baton Rouge, Louisiana

10:40 am **Response of Water Quality Metrics to Foliar Herbicide Applications and Subsequent Plant Breakdown of American Frogsbit**
Adrian Lazaro-Lobo (*Student Presentation*)
Mississippi State University, Starkville, Mississippi

11:00 am **Short and Long-term Response of Fragrant Water Lily to Foliar Herbicide Applications**
Ally Ratliff (*Student Presentation*)
Mississippi State University, Starkville, Mississippi

11:20 am **Response of Water Quality Metrics to Foliar Herbicide Applications and Subsequent Plant Breakdown of Three Rooted Aquatic Plant Species**
Landon Sanders (*Student Presentation*)
Mississippi State University, Starkville, Mississippi

- 11:40 am **Chosen vs. Forced Risk**
Kim Brown
Louisiana State University Agricultural Center, Baton Rouge, Louisiana
- 12:30 pm **MSAPMS Awards Luncheon (Heidelberg Ballroom)**
- General Session V (Riverview A)**
Moderator: **Adam Charlton**, *Aquatic Control, Elizabethtown, Kentucky*
- 2:00 pm **An Integrated Approach to Control Aquatic Vegetation in Spring Bayou, Louisiana**
Jody David
Louisiana Department of Wildlife and Fisheries, Baton Rouge, Louisiana
- 2:20 pm **Adaptive Strategies for Management of Floating Invasive Weeds**
Mark Heilman
SePRO Corporation, Carmel, Indiana
- 3:00 pm **Rhodamine Dye Application to Investigate Unsuccessful Curly-leaf Pondweed Treatments in Swan Lake, MN**
Justin Nawrocki
UPL, Raleigh, North Carolina
- 3:20 pm **Refreshment Break (Riverview B)**
- General Session VI (Riverview A)**
Moderator: **Wes Anderson**, *Alabama Power, Calera, Alabama*
- 3:30 pm **Louisiana: A History of *Salvinia molesta* Management**
Daniel Hill
Louisiana Department of Wildlife and Fisheries, Baton Rouge, Louisiana
- 3:50 pm **APMS Update**
Mark Heilman
SePRO Corporation, Carmel, Indiana
- 4:10 pm **Industry and Product Updates**
- 4:20 pm **Annual Business Meeting (Riverview A)**
- 5:00 pm **Adjourn**
- 5:00 pm **Board of Directors Meeting (Magnolia Room)**
- 5:30 pm **Presidential Farewell Social and Raffle (Heidelberg Ballroom)**



**NEXT YEAR
39th Annual Meeting
Stay Tuned!**