

# **MidSouth Aquatic Plant Management Society 37th Annual Meeting**



## **PROGRAM**

**November 5-7, 2018  
Embassy Suites Chattanooga Hamilton Place  
Chattanooga, Tennessee**

## Board of Directors

Jeremy Slade  
**President**  
*UPI*  
*Alachua, Florida*

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*West Palm Beach, Florida*

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*Starkville, Mississippi*

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**Director**  
*Louisiana Dept. of Wildlife & Fisheries*  
*Baton Rouge, Louisiana*

### 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)

### 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 Biochemists  
Aqua Master Fountains & Aerators  
Aqua Services, Inc.  
Aquatic Control, Inc.  
BioSafe Systems  
Brewer International  
Cygnet Enterprises, Inc.  
EasyPro Lake and Pond Products  
Herbi-systems  
Kasco Marine  
Keycolour  
Nutrien Solutions  
Outdoor Water Solutions, Inc.  
Red River Specialties  
SePRO Corporation  
Syngenta  
UPI  
Winfield United

## **Exhibitors**

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

Airmax	Alligare, LLC
Applied Biochemists	Aqua Master Fountains & Aerators
Aqua Services, Inc.	Aquatic Control, Inc.
BioSafe Systems	Brewer International
Cygnet Enterprises, Inc.	EasyPro Lake and Pond Products
Kasco Marine	Keycolour
Nufarm Americas	Nutrien Solutions
Outdoor Water Solutions	Red River Specialties
SePRO Corporation	Syngenta
UPI	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

## **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**

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Alligare, LLC  
Applied Biochemists  
Aqua Services, Inc.  
Aquatic Control, Inc.  
BioSafe Systems  
Brewer International  
Cygnet Enterprises, Inc.  
Nufarm Americas, Inc.  
SePRO Corporation  
Syngenta  
UPI  
Winfield United

### **Silver**

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Outdoor Water Solutions

### **Contributors**

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Airmax  
Alabama Power Company  
Keycolour  
Nutrien Solutions

# Meeting Agenda

## Monday, November 5<sup>th</sup>

### Monday's Agenda-at-a-Glance

3:00 pm - 5:00 pm	Board of Directors Meeting ( <i>Signal</i> )
3:00 pm - 5:00 pm	Meeting Registration ( <i>Pre-function AB</i> )
1:00 pm - 5:00 pm	Exhibits Setup ( <i>Salon A,B,C</i> )
5:00 pm - 7:00 pm	Welcoming Social ( <i>Lookout Terrace</i> )

*Dinner on your own*

## Tuesday, November 6<sup>th</sup> – MidSouth APMS Aquatic Plant Workshop & General Sessions

### Tuesday's Agenda-at-a-Glance

7:00 am - 8:00 am	Breakfast ( <i>Salon A,B,C</i> )
7:45 am - 12:30 pm	MidSouth APMS Aquatic Plant Workshop ( <i>Off-Site</i> )
8:00 am - 5:00 pm	Meeting Registration ( <i>Pre-function AB</i> )
8:00 am - 5:00 pm	Exhibits Open ( <i>Salon A,B,C</i> )
12:30 pm - 1:30 pm	Lunch ( <i>Box Lunch Provided to Tour participants</i> )
1:30 pm - 3:15 pm	General Session I ( <i>Salon E,F,G</i> )
3:15 pm - 3:30 pm	Refreshment Break ( <i>Cahaba 2-4</i> )
3:30 pm - 5:00 pm	General Session II ( <i>Salon E,F,G</i> )

*Dinner on your own*

## **2018 MidSouth Aquatic Plant Management Society Aquatic Plant Workshop Tour Tennessee Aquarium Conservation Institute and Tennessee Aquarium**

7:45 am            **Depart from Embassy Suites Hamilton Place; bus sponsored by Syngenta and UPI for tour of Tennessee Aquarium Conservation Institute and Tennessee Aquarium**

12:30 pm           **Arrive back at Embassy Suites Hamilton Place**

### **General Session I** (*Salon E,F,G*)

**Moderator:**      **Scott Jackson**, *Syngenta, West Palm Beach, Florida*

1:30 pm            **Opening Remarks and Announcements**

**Scott Jackson**  
*Syngenta, West Palm Beach, Florida*

1:35 pm            **Presidential Address**

**Jeremy Slade**  
*UPI, Alachua, Florida*

1:45 pm            **Professionalism in Aquatics**

**Carlton Layne**  
*Aquatic Ecosystem Restoration Foundation, Marietta, Georgia*

2:15 pm            **IPM in Aquatics, Natural Areas and Right of Way**

**Lyn Gettys**  
*University of Florida, Davie, Florida*

2:45 pm        **Managing Lyngbya in Southern Water Resources**  
**John Rodgers**  
*Clemson University, Clemson, South Carolina*

3:15 pm        **Refreshment Break** (*Salon A,B,C*)

**General Session II** (*Salon E,F,G*)

**Moderator:**    **Scott Jackson**, *Syngenta, West Palm Beach, Florida*

3:30 pm        **Driver Safety on the Roads**  
**Lt. John Harmon**  
*Tennessee Highway Patrol, Chattanooga, Tennessee*

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

*Dinner on your Own*

## **Wednesday, November 7<sup>th</sup> - General Sessions**

### **Wednesday's Agenda-at-a-Glance**

7:00 am - 8:00 pm    Breakfast (*Salon A,B,C*)  
8:00 am - 5:00 pm    Meeting Registration (*Pre-function AB*)  
8:00 am - 5:00 pm    Exhibits Open (*Salon A,B,C*)  
8:00 am - 10:00 am    Session III (*Salon E,F,G*)  
10:00 am - 10:20 am    Refreshment Break (*Salon A,B,C*)  
10:20 am - 12:10 pm    Session IV (*Salon E,F,G*)  
12:10 pm - 1:30 pm    Lunch (*On Your Own*)  
1:30 pm - 3:10 pm    Session V (*Salon E,F,G*)  
3:10 pm - 3:30 pm    Refreshment Break (*Salon A,B,C*)  
3:30 pm - 4:30 pm    Session VI (*Salon E,F,G*)  
4:30 pm - 5:00 pm    Business Meeting (*Salon E,F,G*)  
5:00 pm - 5:30 pm    Board of Directors Meeting (*Salon E,F,G*)  
6:30 pm - 9:00 pm    Banquet (*Salon D,E*)

**General Session III** (*Salon E,F,G*)

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

8:00 am        **Plant Camp – Beyond its Borders**  
**Brett Hartis**  
*Duke Energy Carolinas, Huntersville, North Carolina*

8:20 am        **Louisiana Department of Wildlife and Fisheries Aquatic Control Program**  
**Daniel Hill**  
*Louisiana Department of Wildlife and Fisheries, Lake Charles, Louisiana*

8:40 am        **Status of Hydrilla and Eurasian Watermilfoil on Alabama Power Reservoirs**  
**Josh Yerby**  
*Alabama Power Company, Calera, Alabama*

9:00 am        **Aquatic Plant Management Activities in Georgia Power Reservoirs**  
**Warren Wagner**  
*Georgia Power Company, Atlanta, Georgia*

9:20 am        **Aquatic Plant/Algae Control Client Information Requests from Small Impoundments in Kentucky**  
**Forrest Wynne**  
*Kentucky State University, Paducah, Kentucky*

- 9:40 am        **Metsulfuron Methyl as a Potential Control for Southern Naiad in Arkansas Baitfish Culture Ponds**  
**George Selden**  
*University of Arkansas at Pine Bluff, Pine Bluff, Arkansas*
- 10:00 am        **Refreshment Break (Salon A,B,C)**
- General Session IV (Salon E,F,G)**  
**Moderator:     Gray Turnage, Mississippi State University, Starkville, Mississippi**
- 10:20 am        **APMS Update**  
**Craig Aguillard**  
*Ville Platte, LA*
- 10:30 am        **Evaluating Management Practices to Conserve Native Water Willow while Controlling Hydrilla**  
**Eryn Molloy (Student Presentation)**  
*North Carolina State University, Raleigh, North Carolina*
- 10:50 am        **Absorption and Translocation of Florpyrauxifen-benzyl (Procellacor TM) in Selected Aquatic Plant Species**  
**Erika Haug**  
*North Carolina State University, Raleigh, North Carolina*
- 11:10 am        **The Management of Problematic Native Aquatic Vegetation to Enhance Multi-user Benefits in Southeastern Waterbodies**  
**Kennedy Calhoun (Student Presentation)**  
*Mississippi State University, Starkville, Mississippi*
- 11:30 am        **Evaluating Phenological Patterns in Rates of Nitrogen Removal and re-release Among Three Mat-forming Invasive Aquatic Plants**  
**Autumn Dunn (Student Presentation)**  
*Mississippi State University, Starkville, Mississippi*
- 11:50 am        **Torpedograss Control via Submersed Applications of Systemic and Contact Herbicides**  
**Gray Turnage**  
*Mississippi State University, Starkville, Mississippi*
- 12:10 pm        **Lunch on your own**
- General Session V (Salon E,F,G)**  
**Moderator:     Craig Aguillard, Winfield United, Ville Platte, Louisiana**
- 1:30 pm         **Professional Fisheries Management Strategies**  
**Troy Goldsby**  
*AquaServices, Inc., Guntersville, Alabama*
- 1:50 pm         **UPI Products and Operational Use Patterns: Tools for a Successful Aquatic Plant Management Program**  
**Jeremy Slade**  
*UPI, Alachua, Florida*
- 2:10 pm         **Novel Giant Salvinia Control Techniques**  
**Mark Heilman**  
*SePRO Corporation, Carmel, Indiana*
- 2:30 pm         **Incorporating Advanced Robotics into Aquatic Plant Management: Development of an Autonomous Aquatic Application System**  
**Justin Nawrocki**  
*UPI, Raleigh, North Carolina*



- 2:50 pm **From Bench Scale Trials to Effective Full Scale Cyanobacterial Management with PAA + Peroxide Algacide/Cyanobactericide**  
**Tom Warmuth**  
*BioSafe Systems, Kure Beach, Florida*
- 3:10 pm **Refreshment Break (Cahaba 2-4)**
- General Session VI (Salon E,F,G)**  
**Moderator: Warren Wagner, Georgia Power Company, Atlanta, Georgia**
- 3:30 pm **Geospatial Tools for Aquatic Plant Management**  
**Jonathan Fleming**  
*Samford University, Birmingham, Alabama*
- 3:50 pm **Technical Overview of Early Operational Use of ProcellaCOR® for Southern US Invasive and Nuisance Aquatic Plant Management**  
**Ben Willis**  
*SePRO Corporation, Whitakers, North Carolina*
- 4:10 pm **Does Giant Salvinia Limit Aerial Dispersal of Aquatic Insects?**  
**Charles Wahl (Student Presentation)**  
*Louisiana State University, Baton Rouge, LA*
- 4:30 pm **Annual Business Meeting (Salon E,F,G)**
- 5:00 pm **Adjourn**
- 5:00 pm **Board of Directors Meeting (Salon E,F,G)**
- 6:30 pm **Banquet (Salon D,E)**



**NEXT YEAR**  
**38<sup>th</sup> Annual Meeting**  
**Stay Tuned!**