

PROGRAM

40th Annual Meeting

of the

South Carolina
Aquatic Plant Management
Society, Inc.



October 3-5, 2018

Ocean Drive Beach & Golf Resort

North Myrtle Beach, South Carolina

Wednesday, October 3-5, 2018

Afternoon Session

1:00 p.m. - 5:00 p.m.

Moderator: Ben Willis – SCAPMS President
SePRO Corporation

10:00 - 12:00 a.m. SCAPMS Board meeting

11:00 - 5:00 p.m. Registration

12:50 p.m. – Presidential Address:

Ben Willis, *SePRO*

1:00 p.m. – Keynote Address:

40 Years: Have We Made a Difference?

Steve de Kozlowski, *SCAPMS Historian*

1:30 p.m. – Risks of Not Following the Label

Carlton Layne, *Executive Director of AERF*

1:50 p.m. – Effect of Water Quality on Herbicide Uptake in Plants

Moe Finke, *Brewer International*

2:10 p.m. - Break – Sponsored by Summit Helicopters

2:30 p.m. – Incorporating Advanced Robotics into Aquatic Plant Management: Development of an Autonomous Aquatic Application System

Robert J. Richardson¹, Greg Buckner¹,
Scott Ferguson¹, Staphan Jernigan¹, Steve T. Hoyle¹,
and Justin J. Nawrocki²

¹*North Carolina State University, Raleigh, NC*

²*UPI, Incorporated, Holly Springs, NC*

Wednesday, October 3, 2018
Afternoon Session (continued)

2:50 p.m. - Glyphosate: Friend or Foe?

Jason Ferrell, *Professor and Director, Center for Aquatic and Invasive Plants, University of Florida Gainesville, FL*

3:40 p.m. – Evaluation of Diquat (Reward) for Submersed Flowering Rush Control in Lake Pend Oreille, ID

Kurt D. Gesinger¹, John D. Madsen², John Skogerboe³,
Steve T. Hoyle⁴ and Robert J. Richardson⁴

¹*U.S. Army Engineer Research and Development Center, Vicksburg, MS*, ²*U.S. Department of Agriculture, Davis, CA*, ³*Coldwater Environmental, Minneapolis, MN*, ⁴*North Carolina State University, Raleigh, NC*

4:00 p.m. – Expanding Risk and Management Challenges; Cyanotoxins Associated with Invasive Submerged Aquatic Vegetation

Susan B. Wilde, *University of Georgia, Athens, GA*

4:20 p.m. - Student Career Discussion – *Professionals in the aquatics industry will meet with students for one-on-one discussions.*

***Aquatic Vegetation Exhibit Provided by NCDEQ and NC State**

6:00 - 8:00 p.m. President's Reception
Sponsored by SePRO

*Remembering John Grant: Casey Moorer
and Larry McCord*

Thursday, October 4, 2018

Morning Session

8:00 a.m. - 12:00 noon

Moderator: Justin Nawrocki

United Phosphorus, Inc.

7:45 a.m. – 5:00 p.m. – Registration

7:45 a.m. – Continental Breakfast, Salon A.

Sponsored by Cygnet Enterprises, Inc.

**8:15 a.m. – Welcome: Scholarship Raffle, Door Prize Drawing
Announcements**

**8:20 a.m. – Sustaining Member Updates, 5-minutes per member
By Appointment Only**

**8:40 a.m. Student Paper: Rapid Response Due to an Early
Detection of Nitellopsis obtusa (Starry Stonewort)**

Tyler D. Geer¹, Steve McComas², John H. Rodgers¹,

¹*Clemson University, Clemson, SC*, ²*Blue Water
Science, Saint Paul, Minnesota*

**9:00 a.m. – Student Paper: Consumer Available sUAS (Small
Unmanned Aircraft Systems) for Macrophyte
Mapping and Management**

Andrew W. Howell¹ and Robert J. Richardson¹

¹*North Carolina State University, Raleigh, NC*

**9:20 a.m. – Student Paper: Evaluation of Improved Herbicidal
Techniques for Crested Floating Heart (*Nymphaoides
cristata*)**

Kara J. Foley¹, Erika J. Haug¹, Robert J. Richardson¹

¹*North Carolina State University, Raleigh, NC*

Thursday October 4, 2018
Morning Session (continued)

9:40 a.m. – Student Paper: Investigation of Toxin Biosynthesis in *Aetokthonos hydrillicola*

Amanda K. Howard¹, Tabitha Phillips¹, Wesley Gerrin¹, and Susan B. Wilde¹

¹*University of Georgia, Athens, Georgia*

10:00 a.m. – Break Sponsored by Cygnet Enterprises, Inc

10:20 a.m. – Scholarship Raffle Door Prize Drawings

10:30 a.m. – Student Paper: Effectiveness of Canopeo in Quantification of Photosynthetic Colors for Macrophyte Monitoring

Eric White¹, Andrew Howell¹, Steve T. Hoyle¹, and Robert J. Richardson¹

¹*North Carolina State University, Raleigh, NC*

10:50 a.m. – Student Paper: Assessing the Applicability of Invest Model as a Decision-Support Tool for Adoption of LID Practices

Joan U. Ureta¹, Marzieh Motallebi¹, Julie Carl P. Ureta¹, and Erik M. Smith²

¹*Clemson University, Clemson, SC*, ²*University of South Carolina, Columbia, SC*

11:10 a.m. – Absorption and Translocation of Florpyrauxifen-Benzyl (Procellacor™) in Selected Aquatic Plant Species

Erika J. Haug¹, Mark A. Heilman², Travis Gannon¹, and Robert J. Richardson¹

¹*North Carolina State University, Crop and Soil Sciences, Raleigh, NC*, ²*SePRO Corporation, Carmel, IN*

Thursday October 4, 2018
Morning Session (continued)

11:30 a.m. – Annual Business Meeting

12:00 p.m. – Lunch on your own

Thursday October 4, 2018
Evening Session

1:00-6:00 p.m. – Scholarship Golf Tournament (Larry Feller)
Sponsored by: Syngenta and MPL/Carolina
Aquatic Management

1:00-6:00 p.m. – Fishing Tournament (Cory Heaton)
Sponsored by Clemson Extension and Vertex
Water Features

5:45 p.m. – Hospitality: Pool Side

6:00 – 6:45 p.m. – Duck Race (Bo Burns)
Sponsored by: Solitude Lake Mgmt, Foster
Lake & Pond Management, and Estate Mgmt.

7:00 – 10:00 p.m. – Awards Banquet
Sponsored by: United Phosphorus Inc, Lonza,
and Santee Cooper

Friday, October 5, 2018

Morning Session

8:00 a.m. - 12:15 p.m.

Moderator: Eric Mote

Foster Lake and Pond Management, Inc.

7:00 a.m. – Continental Breakfast, Salon A.
Sponsored by Nutrien Solutions

8:00 a.m. – Friday Registration

8:30 a.m. – Welcome, Scholarship Raffle Door Prize Drawings

**8:40 a.m. – New Product Updates 5 Minutes per Member by
Appointment Only**

**9:00 a.m. - Controlling *Lyngbya wollei* with Captain XTR:
Exposure/Dose Analysis and Field Results**
Gabby Villalon, SePRO Research and Technology
Campus

**9:20 a.m. – Mosquito-Borne Disease Concerns in South
Carolina And Regulatory Issues Related to
Mosquito Control**
Tim Drake, Clemson University

10:10 a.m. – Break Sponsored by Nutrien Solutions

10:30 a.m. – Final Scholarship Raffle Door Prize Drawings

10:40 a.m. – Sun Safety
Atlantic Dermatology, Little River, SC

**11:00 a.m. – Monitoring the Effects of Hydrilla Removal on the Fish
Communities of a North Carolina Piedmont River**
Jessica R. Baumann¹ and Tyler R. Black²
¹North Carolina State University, Raleigh, NC, ²North
Carolina Wildlife Resources Commission

Friday October 5, 2018
Morning Session (continued)

11:20 a.m. – APMS Update: Dr. John Rodgers,
North Carolina State University

11:30 a.m. – Duke Energy Update: Ken Manuel/Tommy Bowen
Duke Energy, Huntersville, NC

11:40 a.m. – Santee Cooper Update: Casey Moorer, Santee
Cooper Power, Moncks, Corner, SC

11:50 a.m. -- North Carolina Update: Rob Emens, NCDENR,
Raleigh, NC

12:00 p.m. – South Carolina Update: Chris Page, SCDNR
Columbia, SC

12:10 p.m. – Adjourn

12:30 p.m. – SCAPMS Board of Directors Meeting

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