

March 2011

2010-2011 Officer Roster:

- Chair: Tommy Edwards, P.E. — Lykes Bros. Inc.
- Vice-Chair Programs: Jesse Markle, P.E. — South Florida Water Management District
- Vice-Chair Continuing Education: Drew Jackson, E.I.— Royal Consulting Services, Inc
- Vice-Chair Publicity: Mandy Parks, P.E. — Lane Engineering, Inc
- Vice-Chair Awards: Chris Martinez, Ph.D. — University of Florida
- Vice-Chair Membership: Kevin Wright, E.I.— Suwannee River Water Management District
- Treasurer: David Scott, P.E. — Jacobs Engineering
- Secretary: Bart Arrington, P.E. — County of De Soto
- Past-Chair: Tim Sagul, P.E.— Suwannee River Water Management District
- Administrative Consultant — Lisa Collins, P.E.

FLORIDA ASABE UPDATE

THE NEWSLETTER OF THE FLORIDA SECTION AMERICAN SOCIETY OF AGRICULTURAL & BIOLOGICAL ENGINEERS

MESSAGE FROM THE CHAIR

Tommy Edwards, P.E.

Welcome to spring, the sun is coming up earlier, the birds are chirping me awake in the morning and

the orange trees are blooming. These pleasant days will be over before you know it, but before that happens I would like to invite you to join us for the last weekend of spring at the 2011 ASABE Florida Section Annual Conference.

Your executive committee has been hard at work getting ready for this year's conference. If it isn't on your calendar yet, do it now, June 15th - 17th we will be holding the 2011 ASABE Annual Conference in Naples, FL. Jesse Markle has chosen a great location for this year's conference at the beautiful Naples Grande Resort & Club. I pulled up an aerial to have a look at the resort and it looks like it is going to be a wonderful place. I'm definitely bringing my kayak!

I would also like to thank all of presenters in advance for a great program and informative presentations. The call for presentations is past but

our Program Chair, Jesse Markle, can probably fit you in if you call him (right now).

As always the Annual Conference is nothing without you and our vendors. Please remember to mention to your vendors that you were glad to see them last year and look forward to seeing them again this year. Please feel free to contact our Vendor Coordinator, Jack Cowen, if you know of anybody who is interested.

On a personal note I would like to encourage anyone who hasn't sat for the PE exam to do so. This will be the second year for the new test format and the PEI of ASABE has sample tests and a great webinar series that will help you prepare. Go to www.asabe.org/pei/index.html for more information.

I look forward to seeing everyone in June.

Volume 2, Issue 1

FLORIDA SECTION ASABE

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DATES TO REMEMBER

- *April 15, 2011*
Outstanding Student of the Year and Fellow Nominations due
- *May 1, 2011*
Last Day to order a bound copy of the ASABE Standards
- *May 25, 2011*
Last Day for Reduced Room Rates for the 2011 FASABE Conference
- *June 15-17 2011*
2011 FASABE Conference Naples Grande Resort & Club
- *August 7-10, 2011*
ASABE International Meeting

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MESSAGE FROM THE PROGRAM VICE-CHAIR

Jesse Markle, P.E.



If you haven't heard, this will be the final year a bound copy of the ASABE Standards will be available. So if you like to have a book on the shelf the deadline is May 1st.

For a full transcript of the Business Meeting held at the 2010 Conference & Tradeshow, please contact Bart Arrington at bartandjayne@mail.desotolife.com



Planning for the 2011 Annual Conference & Tradeshow is winding to a close. This year's event will be held at the beautiful Naples Grande Beach Resort, a Waldorf-Astoria property, in Naples, FL from Wednesday, June 15th through Saturday, June 18th. While the exact program is being finalized, we can share the overall Conference agenda:

Wednesday, June 15th (afternoon)

Continuing Education = 4 PDH

Thursday, June 16th

General Session, Technical Session(s) and pool-side Awards Banquet (weather permitting)

Friday, June 17th

Technical Sessions

Saturday, June 18th

Section Business Meeting

Our conference theme, embodied by the General Session, is The Role of Agriculture in Environmental Services, and technical topics will span the depth and breadth of agricultural engineering. Proposed presentations will discuss irrigation, modeling, water quality, wetland restoration, sustainable agriculture, food & process engineering, and education.

Our Tradeshow will feature opportunities to network with industry vendors, participate in our silent auction, and catch up with your fellow members.

The Section has negotiated an amazing rate with the Naples Grande of \$105.00 per night for rooms booked on or before **May 25, 2011**, or until the group block is sold-out, whichever comes first. That rate is available for up to three days

prior and after the conference, based on availability, so bring the family and make it a vacation!

Reservations can be made by calling the Naples Grande at (239) 597-3232. Make sure and let them know you're part of the FASABE 2011 Annual Conference & Tradeshow to receive this rate.

A personalized website has also been developed for the Section to make reservations. Access it at the following link, or go to the Section webpage (www.fl-asabe.org) and navigate from there:

<http://bit.ly/asabeWA>

I look forward to seeing you all at this year's conference.



MESSAGE FROM THE CONTINUING EDUCATION VICE-CHAIR

Drew Jackson, E.I.

This year's continuing education session will be presented by Jake LaRue, PE, Director of Applications and Project Support and Sid Cameron, CID, Southeast Territory Manager, both from Valmont Irrigation.

During this session, attendees will become more familiar with the overall concept of using mechanized irrigation, whether it be center pivots or linears, to solve a variety of issues they face during the design/evaluation process. These issues might be for distribution of wastewater for agricultural, industrial or municipal reuse, or for irrigation for traditional row crops.

Who might benefit from this session: Consultants, engineers, governmental agencies, regulators, students, etc. Items of discussion will include:

- Design criteria- What do I need to consider?, What information is available?, Application rates
- Water quality - Solutions for corrosive elements
- Variable Rate Irrigation - How to design/solve issues with variable soils, wetlands
- Control options - Manual to automated control of the pivot or linear
- Monitoring options - What's available, Reporting functions for record keeping
- GPS Guidance - Linears, Corners
- Flotation - Options for Florida soils

Jake and Sid have been very involved in irrigation projects in Florida over the years and look forward to presenting this valuable information.

Since 1954 Center Pivots have evolved as the most efficient mechanical method of agricultural irrigation in the world. While there are other successful methods of applying water to crops, or distributing wastewater, none rival mechanized irrigation in energy, water and labor savings to the grower.

Valmont Irrigation and its affiliate, CropMetrics, both received the ASABE, AE50 Award this past January presented in Atlanta for their approach and solutions to Variable Rate Irrigation.

MESSAGE FROM THE AWARDS VICE-CHAIR

Chris Martinez, Ph. D.

The Florida Section ASABE will once again recognize an outstanding undergraduate student member from one of the engineering programs in the state of Florida at the 2011 FASABE Annual Conference. The FASABE Outstanding Student Award application is available on the FASABE website at: www.fl-asabe.org Nominees must be classified as a senior at some point during the calendar year. The deadline for the application is April 15, 2011.

April 15, 2011 is also the deadline for ASABE Fellow nominations. Instructions and forms for ASABE fellow nominations can be found on the ASABE website: http://www.asabe.org/awards/fellow/index.html.

We are currently seeking donors for the Silent Auction to be held at this year's FASABE Annual Conference. Donations help us raise scholarship/award funds, so if you have suggestions or are interested in donating items for bid, please contact me at chrisjm@ufl.edu. Winning bids will be announced at the Awards and Recognition Banquet.

The Fourth Annual Graduate Student Presentation Competition will be held at the FASABE annual conference in June. At the time of submission deadline, we have 10 entries. Each of these students will be making presentations at the technical sessions during the conference, so be sure to come see what the best and brightest have been working on!

PE Exam materials available at http://www.asabe.org/pei/index.html and free webinars available at http://www.asabe.org/pei/PEWebinar.html

UF ASABE Student Branch News

David. H. Boniche, M.S. — President, UF ASABE Student Branch



The Florida section is always on the look-out for new members. Existing members are always our best recruiters, so encourage your friends and colleagues to join!

www.asabe.org

This year at the Annual Conference, the UF ASABE student branch will feature two competing teams for the Fountain Wars. Tentative team members include

- David Boniche
- Tyler Pyle
- Martin Miller
- Francisco Sotomayor
- Lauren Guimond
- Nicole Stanford
- Stefani Leavitt

- Sarah Luther
- Katelyn Ward

Look for the demonstration and competition at the Naples Grande Beach Resort fountain!

If you'd like to support these hard working and fun loving students who are planning on representing the UF ASABE Student Chapter in Louisville KY at the Fountain Wars Competition, please visit the FASABE website for details or contact David H Boniche, MS President, ASABE UF Student Branch asabe.ufl@gmail.com

Agricultural News

Did you know? UF/IFAS is a federal-state-county partnership dedicated to developing knowledge in agriculture, human and natural resources, and the life sciences, and enhancing and sustaining the quality of human life by making that information accessible.

IFAS provides research and development for Florida's agricultural and natural resources industries that in 2008, had a \$76.5 billion annual impact.

Congratulations to **Joe Collins, PE** who was recently chosen to become chairman of the South Florida Water Management District's governing board. The district's nine-member board, appointed by the governor and confirmed by the Florida Senate, oversees an agency charged with protecting water supplies, guarding against flooding and leading Everglades restoration. As chairman, Collins now plays a more prominent role in the water management decisions that often pit agriculture against coastal communities and environmental advocates.

It's not too late to **support agriculture** in Florida by going to your **local fair**. Check out the Suwannee County Fair and Livestock Show (Live Oak April 1-9), Santa Rosa County Fair (Milton April 5-10) Levy County Fair (Williston April 7-10), Lake County Fair (Eustis April 7-16) Hernando County Fair and Youth Livestock Show (Brooksville April 8-16), or the Flagler County Fair and Youth

Show (Bunnell April 13-17)!

The FDEP has placed the **Unified Statewide Stormwater Regulation** on "hiatus" for this year and is not planning for any additional legislative actions on the new regulations at this time. They will be collecting treatment efficiency data from stormwater management systems during this year in support of the new regulation. The **US EPA Numeric Nutrient Criteria standards** for fresh water bodies in Florida were enacted on December 2010, but will not be enforced for 15 months to allow state and local governments a full opportunity to review the standards and develop flexible strategies for implementation. Those standards are to be enforced in the March 2012 time frame.

Lessons Learned

This is a new section of the newsletter devoted to things we wish someone had told us. It's anonymous and meant to be both serious and funny. So don't be shy, please help out your fellow Agricultural Engineers by sharing your lessons learned (email mparks@laneengineerig.com or catch me at the Annual Conference)

- Otters are mean, don't be fooled by their cute faces
- Careful bending down in a stream or other water body with waders on, it only takes a second for water to go over the top and you to become stuck (or worse).
- Check your construction site deliveries against approved submittals, not just at the beginning of the project, but for the duration of construction. Suppliers sometimes "forget" to update the contractor and engineer and what's

supplied may not be what was approved.

- Do your homework on both T&E Species and Cultural Resources before construction starts; unidentified issues become costly problems once construction is underway
- Amend your soil on the banks of storm water ponds to get grass growing and to prevent erosion
- When you are working solo in the field, take a stake or pin to hold the other end of the tape measure.
- Pay attention to what the Students Over Traditional Age ask in class; they've been out in the real world, they are asking for a reason.
- Keep your college textbooks, you'll want to reference them someday.
- Take the EI and PE as soon as you can.
- Take summer sessions to work in your chosen field if you can.

Make sure and keep your contact information current. Visit our website at www.fl-asabe.org and check our Membership Directory on the Member Info page to make sure we know how to reach you. Newsletters are only electronic, and we don't want you to miss any Section news because of an out-of-date e-mail address.

Contact Lisa Collins, P.E. at flasabeadmin@asabe.org to update your contact information

Do you have a technical article or information you would like to see in the FASABE newsletter? Let us know at flasabeadmin@asabe.org

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

How much is ENOUGH?




TURN OFF your SPRINKLERS when your lawn has received three-quarters to one inch of rain!

REDUCE YOUR **WATER USE** no excuse!

For more tips on **WATER CONSERVATION** visit savewaterfl.com

sfwmd.gov

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 Contact Mandy L. Parks, P.E., Vice-Chair Publicity at mparks@laneengineering.com

Vendor Space is open at the Annual Conference Trade Show. Act now to reserve your spot! Contact Jack.Cowen@vercipia.com
 Or obtain forms at www.fl-asabe.org