



Editor: Madanjit Singh

**ISA MONTHLY MEETING,**  
**SEPTEMBER, 21, 2010**  
**Augusta, GA**

**Price :** \$5 for members-RSVP by Monday noon Sept, 20  
\$10 for non-members

**Time :** 6:15 pm - Registration  
6:30 pm - Dinner

**Place :** Americas Best Value Inn  
(I-20 - EXIT 199)  
3023 Washington Road  
Augusta

**Subject:     Hybrid DCS Installation in  
                  Chemical Plant**

**Speaker :   Walter Anderson  
                  E and I Supervisor PCS, Augusta.**

**(for details continue on pages 4 & 5**

**RSVP: by sending email:     isaga@isaga.org**

**Hybrid DCS Installation in Chemical Plant**

Mr. Anderson was assigned the task of upgrading the instrumentation and controls systems for all of the plants at the Augusta PCS Nitrogen site, from existing pneumatic and electronic analog controls to DCS with a Digital Safety system.

Challenges:

Designing a control System to meet the customers desires and needs.

Replicate the look and feel of a legacy system.

Provide system trending capability without sacrificing viewability.

Providing real time alarming with process indications and standard annunciator panel simplicity.

Build a system that is easily expanded at the HMI level, the processor and I/O level on the fly.

Finally design the DCS so it can be installed while the plant is operating.

A Hybrid DCS was installed. Project had a great success. As a result of this installation several articles were written.

Walter Anderson is a past president of ISA, Savannah River Section. He has 40 years of experience in instrumentation field, as technician, Field Service Engineer, Planning, Equipment Specialist, Maintenance Engineer and as Maintenance Supervisor.

SAVANNAH RIVER SECTION



**CALENDAR**

- Aug 25: Kick off Meeting - AC Drives**
- Sept 21: Hybrid DCS Installation in Chemical Plant**
- Oct 12: Hydrogen Cell**
- Oct 25: Golf Tournament & vendor interaction**
- Nov 9: TBD**
- Dec 14: Ethernet & cables**
- Jan 11: Safety Systems**
- Feb 9: Wireless– Emerson**
- Mar 9: PEN Show & Presentations**
- Apr20: TBD**
- May: Plant Tour**

**To all ISA Savannah River Section Members:**

Welcome to the new ISA year. This is your first letter of the year. It is one of our goals to send you a regular newsletter to improve our communication amongst the membership of the section. We will be bringing you the latest instrumentation, control and automation knowledge. We will try to include manufacturers, representatives, application engineers and end users.

We had our first monthly meeting on August 25. Kenneth Fussell, PE, Senior Member gave presentation on AC Drives Fundamentals. The seminar was attended by 16 members and 10 guests. The slide show will be available on ISAGA website.

Our scholarship fund Golf tournament is scheduled for October 25. We expect 18 supplier representatives firms - 70 sales/technical engineers and 128 players i.e. application engineers, contractors, technical students etc. This is one of big networking sessions for exchange of information. The tournament will be high lighted with respectable door prizes.

Our Product Education Night show is set for 2nd Tuesday of March 2011. The location is Savannah Rapid Pavilion. 2010 show was represented by 70 plus table tops and more than 275 engineers.

We have revamped our website. Please note our newsletters, monthly meeting notices, important coming events and programs.

We will also have our popular plant tour. The last tour was attended by more than 30 engineers. We will try to support one day seminar with part of our section funding.

I can assure you the benefits of your membership will enrich you with latest knowledge, latest ISA standards information and professional advancement.

We will continue our support for technical colleges and scholarships program for engineering students.

SAVANNAH RIVER SECTION MEMBERSHIP STATUS

Members in good standing	- 135
Members on grace period	- 15
New Members	- 3

**Appeal to members on grace period**

Please renew your membership to enrich your knowledge and career.

**ISA DIVISIONS Appeal**

ISA members are encouraged to join at least one division in their industry. The list of various divisions is as following:

**Represent your technical industry.**

**Industries and Sciences**

**Divisions**

- Aerospace Industries Division
- Chemical and Petroleum Industries Division
- Construction and Design Division
- Food and Pharmaceutical Industries Division
- Mining and Metals Industries Division
- Power Industry Division
- \*Pulp and Paper Industry Division
- \*Textile Division
- Water and Wastewater Industries Division

**Declare your technical specialty.**

**Automation and Technology**

**Divisions**

- Analysis Division
- Automatic Control Systems Division
- Computer Technology Division
- Management Division
- Process Measurement and Control Division
- Robotics and Expert Systems Division
- Safety Division
- Telemetry and Communication Division
- Test Measurement Division



SAVANNAH RIVER SECTION BOARD

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# Savannah River Section

**ISA Savannah River Section Golf Tournament  
at Jones Creek Golf Club – Evans, GA  
on Monday Oct. 25, 2010**

## **2010 GOLF Tournament Information**

The Savannah River Section of ISA is proud to announce the 2010 B. T. Sorrell's Memorial Scholarship Golf Tournament, which is being held to bring vendors and clients in ISA related fields together to network in a casual, relaxing atmosphere. Tournament proceeds are used to fund scholarships for students majoring in instrumentation and controls and support our local ISA Section activities.

Player check-in begins at 11:00 AM, lunch at 11:00, and the shotgun start will be at 12:00 Noon. Prizes will follow at 5:00 PM.

The tournament will be a Captain's Choice with 32 foursomes participating. Local Instrumentation and Control vendors, Businesses and Engineering firms are sponsoring holes and contributing toward prizes. **There will be over \$1500 in prizes.** Invite your coworkers from our industry for this great event!

**Registration - \$25 for ISA Members / \$45.00 for non-members (including lunch!)**

Your registration fee covers your greens fee, cart, lunch, and one raffle ticket. Additional raffle tickets will be sold at the sign-in table. Trophies will be awarded and the prizes will be raffled off after the game. This year we will have several very nice prizes to raffle off. (Driver, golf bag, putter, iron set, etc...)

Please send the form and your check by October 12, 2010 payable to  
**ISA Savannah River Section - 2010 Golf Tournament to:  
ISA Savannah River Section  
Attn: Jim Mitchell – 2010 ISA Golf Tournament  
P. O. Box 702  
New Ellenton, SC 29809**

Or register and pay online at [www.isaga.org](http://www.isaga.org). (please email a list a players in your foursome [isaga@isaga.org](mailto:isaga@isaga.org).)

If you have any questions, please email: [isaga@isaga.org](mailto:isaga@isaga.org) or contact Jim Mitchell by phone at 803-648-6931.



# Savannah River Section

## ***B.T. Sorrell's Memorial Scholarship Golf Tournament***

***Monday, October 25, 2010***

***Jones Creek Golf Club***

***Evans, Georgia***

***Golfer Registration Form***

**Name:** \_\_\_\_\_ **Member No.:** \_\_\_\_\_

**Company:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**City, State and Zip:** \_\_\_\_\_

**Telephone:** \_\_\_\_\_

**E-Mail Address:** \_\_\_\_\_

**Where:** Jones Creek Golf Club

**When:** Monday, October 25, 2010

**Registration:** 11:00 a.m. - 11:30 a.m.

**Lunch:** 11:00 a.m. - 11:45 a.m.

**Tee Time** 12 Noon Shotgun Start

Registration Forms with Checks must be received by September 21, 2008 to allow pairing.  
 Registration: \$25 Section Members - \$42.50 Non-Members (All must be in an ISA related field)  
 They are only 128 slots available so register early, paid registrations get preference.  
 Registration fees are a non-refundable donation to the ISA Savannah River Section.

<b>Playing</b>	<b>1)</b>	<b>Company</b>	<b>Member No.:</b>
<b>Partners</b>	<b>2)</b>	<b>Company</b>	<b>Member No.:</b>
	<b>3)</b>	<b>Company</b>	<b>Member No.:</b>

Make checks payable to: **ISA Savannah River Section**

Send this form along with payment to:

**ISA Savannah River Section-Golf**  
**P.O. Box 702**  
**New Ellenton, SC 29809**

**Email:** [isaga@isaga.org](mailto:isaga@isaga.org)

**Contacts:**  
 Jim Mitchell 803-648-6931 or [isa-section@gforcecable.com](mailto:isa-section@gforcecable.com)

**Notice:** The ISA Golf Committee will make every effort to fill the preferences and request of each golfer but reserves the right to make substitutions as needed.