



SAVANNAH RIVER SECTION

JANUARY 2010
News Letter

Editor: Madanjit Singh

ISA & IEEE
MONTHLY MEETING,
Jan. 12, 2010
Augusta, GA

Price : \$8 for members-RSVP by Monday noon Jan, 11
\$12 members & nonmembers—without RSVP

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

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

Subject: **SENSOR TECHNOLOGY
AND APPLICATION**

Speaker : **TOM DACHINO**
Manufacturer of Detection Equipment

(for details continue on pages 4 & 5)

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

ISA & ASME
MONTHLY MEETING,
Jan. 21, 2010
Augusta, GA

Price : \$8 for members-RSVP by Tuesday noon Jan, 19
\$12 members & nonmembers—without RSVP

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

Place : [*Amici Italian Cafe*](#)
4045 Jimmie Dyess Parkway
Augusta, GA 30909-9491

Subject: **NUCLEAR WASTE
TREATMENT TECHNOLOGIES**

Speaker: **Michael P. McNamara**
President, THOR Treatment
Technologies, LLC

(for details continue on pages 6)

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

SAVANNAH RIVER SECTION



CALENDAR

- Sept 10:** Microwave Heating
- Sept 21:** Kick off meeting: Instrument Grounding
- Sept 24:** Safety Seminar

- Oct 17:** Control Valves Training Seminar
- Oct 28:** Golf Tournament & vendor interaction

- Nov 10:** Honeywell Wireless

- Dec 8:** Ethernet & cables by Belden

- Jan 12:** Sensors
- Jan 21:** Nuclear Waste Treatment Technologies

- Feb 9:** Foundation Field Bus & DCS

- Mar 9:** PEN Show

- Apr:** Virtualization & One day ISA Seminar

- May:** Plant Tour

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
- 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

To all ISA Savannah River Section Members:

First of all, Our Savannah River Section Board wishes you a happy New Year & all the success.

In the month of December, Kevin Holley of HIRSCHMANN, a Belden Brand gave an excellent presentation on Mission Critical Ethernet. A table top presentation was also a high light of the evening. The Training was attended by 30 engineers.

This month, we have arranged two presentations – Sensors and Nuclear Waste Treatment Technologies. Hope you will take full advantage of the opportunities being presented.

Your Board is working for the Product Education Night, which is being scheduled on March 9. We expect more supplier representatives & manufacturers this year. Also per expectations lot of door prizes with approximately 100 tables tops.

Your ISA Savannah River Section has successfully served the function of bringing Industry representatives, practicing engineers, design engineers and technical students together. Networking & technical exchange of information has been very successful in the past.

Our board is welcoming the services of Raj Patel from chemical Industry as Chairman Programs. Bruce VanPeurse as Secretary and Jim Mitchell from Chemical Industry as Advisor.

To support Automation, we have awarded \$ 250 scholarship for Futures Cities Participants.

For a successful news letter, we need your support and help.

Please send an email to isaga@isaga.org or any of the executive board members if you have an item or subject that you think should be included in the newsletter.

For activities and policies stated above on subjects, please try to support these events and meetings so that our section can prosper with solid networking, good friendships, and provide course assistance to the schools and industry in our area.

Section Membership

If your membership is in Grace Period, please call us for possible extension.



Section Membership Status

156 members active
15 members in grace period
0 New members
171 Total

Update Membership Record

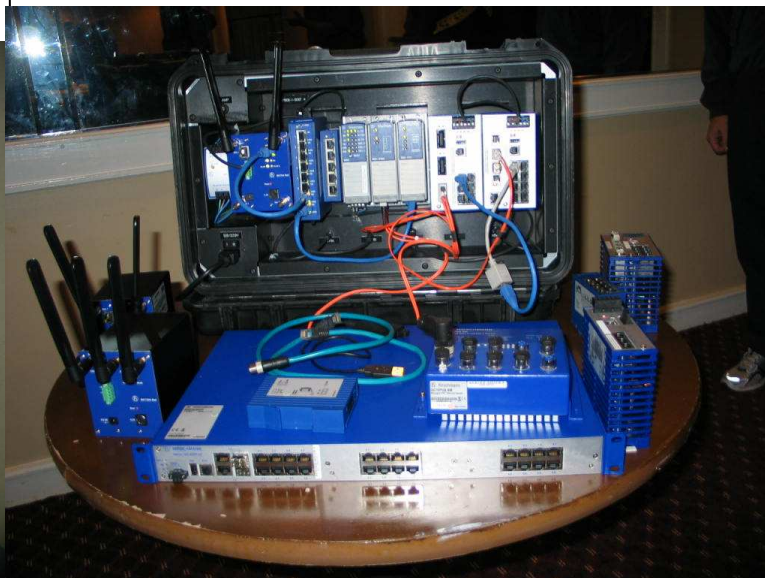
Every member can update their ISA record on line. Go to www.isa.org and login (use member number and password). Look in the left navigation bar under general information and select My ISA>update My Record.
If member does not feel comfortable navigating the web, then send email message to info@isa.org with a request to update the record with current information. Providing the member number always helps. Or call ISA at 919-549-8411.



Ethernet Presentation in Progress



2010—Board Members



Ethernet Table Top

ISA/IEEE MONTHLY MEETING
Jan 12, 2010

SUBJECT: SENSOR TECHNOLOGY AND APPLICATION

Meeting with SENSOR Technologies Application Expert

LOCATION: AMERICAS BEST VALUE INN, 3023 WASHINGTON ROAD

TIME: 6:15 PM REGISTRATION
6:25 PM DINNER

PRICE: \$8 ISA MEMBERS
\$12 NON-MEMBERS

RSVP: isaga@isaga.org by Jan.11th Monday noon

Abstract of Presentation

Applications and Sensor Technologies to be presented includes-

Object detection

Metal sensing proxes
Welding environment, sensors for automated weld cells designed to extend sensor life.
Stamping and Metal Forming, in die sensing, quick die change products.

Photoelectric Sensors

Diffuse, Thru-beam, Background Suppression, Retroreflective
Red light, laser, infrared, pin point LED

Applications:

Elevators
Machine tools
Gate controls
Robots
Small parts recognition
Handling automation
Color sensing, true color recognition
Luminescence detection, ex. grease detection in a bearing

Capacitive Sensors

Non metallic sensing
Liquid level, powders, plastic part detection
Smart Level (solve cleaning, foaming and set up problems)

(Continued on Next Page)

Distance measurement

Analog proxies, lasers and transducers (linear transducers replace linear pots and LVDTs, non contact)

Flexible solutions for position sensing, level control, distance or height measurement, quality assurance. Precise distance measurement (microns of resolution)

Cylinder switches

Hydraulic - In cylinder end of stroke sensing, in cylinder transducers (absolute position feedback)

Pneumatic

Magneto-resistive (non contact end of stroke)

Transducer (external non contact position feedback)

RFID

Identification systems for palletized assembly equipment

Machine tool management

DISPLAY: Table top display and handout literature will be available at the meeting.

**Presentation by:
Tom Dachino**



Southeast Channel Development Manager, Balluff, Inc.

Manufacturer of Object Detection equipment for enhanced industrial safety, material and energy conservation.

His duties include technical training and field sales support for distribution customers. Tom has a BS in Marketing and Industrial Distribution from Drexel University in Philadelphia, PA. He spent 23 years as owner of an industrial distribution company and has been with Balluff performing his current duties for 8 years. He specializes in reducing premature sensor replacement along with error proofing and downtime reduction in the manufacturing process. Sensor technologies presented will include explosion proof transducers, "SmartLevel" capacitive sensors and transducers for tank level sensing, stainless steel enclosed proximity switches and photoelectric analog lasers for distance measurement.

The ASME and ISA Present

Topic: Nuclear Waste Treatment Technologies

Date: Thursday, January 21, 2010

Time: 6:15 pm - 6:30 pm, Registration and Social
6:30 pm - 8:00 pm, Dinner and Program

Speaker: Michael P. McNamara
President, THOR Treatment Technologies, LLC

Location: [Amici Italian Cafe](#)
4045 Jimmie Dyess Parkway
Augusta, GA 30909-9491
(706) 650-7511

The American Society of Mechanical Engineers (ASME), the International Society of Automation (ISA) are co-sponsoring a dinner meeting to be held on Thursday, Jan. 21st, 2010 from 6:15 to 8:00 pm, at AMICI ITALIAN CAFÉ AT 4045 Jimmie Dyess Parkway in Augusta, GA. The topic of the dinner meeting will be "Nuclear Waste Treatment Technologies. The speaker for the dinner meeting will be Michael McNamara, President, THOR Treatment Technologies.

Cost of the catered dinner will be **\$8 per person** (for ISA and ASME members) and **\$12 per person** (for non-members) and can be paid by check or cash upon arrival. Guests and spouses are welcome. Reservations must be made by COB **Tuesday, January 19th**. Reservations not cancelled 24 hours prior to the dinner meeting will require full payment of the dinner cost, including the cost of guest(s).

For those interested in attending, please contact Kipp Neikirk (ASME) at (803) 725-5390 or Madanjit Singh (ISA) at (803) 208-6308 by no later than Tuesday, January 19th. You may also make a reservation by e-mail to kneikirk@comcast.net (ASME) or isaga@isaga.org (ISA).



SAVANNAH RIVER SECTION BOARD

Madanjit Singh

President & Delegate
Phone: (706) 868-0015
madanjit @ aol.com

Lance Brown

Education Chair
Phone: (803) 643-2437
Fax: (706) 643-2253
lance.brown@parsons.com
ltbrown2go@yahoo.com

Cleo Raiford

Treasurer
Phone: (803) 208-6332
patdot28@live.com

Larry Omstead

Membership Chair
Phone: (803) 208-6113
Larry.omstead@srs.gov
isaga@isaga.org

Bruce VanPeurse

Secretary
Phone: (706) 993-0097
bruce.vanpeurse@srs.gov

Justin Weaver

Webmaster
(803) 208-8121
Justin.weaver@srs.gov

Raj Patel

Program Chair
Phone: (706) 849-6090
rpatel@knology.net

Jim Mitchell

Advisor
Phone: (803) 648-6931
Mitchell_jim@usa.net