



**ISA & IEEE**  
**KICK-OFF MEETING,**  
**SEP.11, 2007**  
**Augusta, GA**  
**with Demonstration**

**Price :** \$0 with RSVP by Monday noon Sept 10, 2007

\$10 without RSVP

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

6:30 pm - Dinner

**Place :** Americas Best Value Inn

(I-20 - EXIT 199)

3023 Washington Road

Augusta

**Door Prizes**

**2 \$50 gift Cards**

**4 \$25 gift Cards**

**& many more**

**RSVP:** On the SAVANNAH RIVER SECTION website:

**[www.isaga.org](http://www.isaga.org)**

Honeywell and AC Controls Company Inc will present Honeywell's ISA SP-100 Standard Industrial Wireless Solutions to the ISA Savannah River Chapter and the IEEE August Chapter.

The automation giant Honeywell has developed a new wireless data communications network standard, a self healing, self propagating network, which it is very keen on promoting as part of a forthcoming Instrumentation, Systems and Automation Society (ISA) SP100 standard.

Honeywell has claims some success in the market, with installations of the XYR 5000 wireless transmitter at more than 300 customer sites since its introduction in 2004.

The technology promises to open up a range of applications where cabling is either difficult to install, such as on a rig, or prohibitively expensive compared to the benefits.

It also offers the key advantage of integration of multiple devices, such as sensors, mobile PCs and security systems.

Mesh networks use a self propagating, self healing network of nodes to achieve blanket coverage of an area. Each node can communicate with any other

node, so that if one goes down the network can re-route data and connectivity is not lost.

Honeywell's network is scalable, up to 30,000 nodes, has built in industrial security and is fast with low latency to enable control applications.

Honeywell is offering industrial wireless solutions that reduce costs, and improve safety, reliability and productivity. Honeywell's OneWireless universal mesh network supports multiple industrial protocols and applications simultaneously, providing a single wireless network that is simple to manage and efficient to operate.

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## SAVANNAH RIVER SECTION

### CALENDAR

- Sept:** Kick off meeting. Honeywell wireless
- Oct:** Control Room consolidation, Rich Izard, SRS
- Nov:** Plant tour: DSM Chemicals
- Dec:** Digital Buses: Control Southern
- Jan:** Control Loop variability : Larry Hammett, International Paper
- Feb:** TBA
- Mar:** PEN Show
- Apr:** Digital Bus One day ISA Seminar
- May:** TBA

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

Welcome to the new ISA year and also to the first newsletter we have done in this section for quite some time!! It is one of our goals this year to send out a regular newsletter to improve our communication amongst the membership of the section. It takes time and effort to put these together, and I would like to recognize our Vice President, Madanjit Singh, for volunteering to take on this task this year! Most importantly, to have a successful newsletter, we need news to report.



JIM MERZ

### **ISA DIVISIONS**

To achieve participate in special interest activity & knowledge, ISA members are encouraged to join at least one division in their industry. The list of various divisions is as following:

- [Aerospace Industries Division](#)
- [Analysis Division](#)
- [Automatic Control Systems Division](#)
- [Chemical & Petroleum Industries Division](#)
- [Computer Technology Division](#)
- [Construction & Design Division](#)
- [Food & Pharmaceutical Industries Division](#)
- [Management Division](#)
- [Mining & Metals Industries Division](#)
- [Power Industry Division](#)
- [Process Measurement & Control Division](#)
- [Pulp & Paper Industry Division](#)
- [Robotics & Expert Systems Division](#)
- [Safety Division](#)
- [Telemetry & Communications Division](#)
- [Test Measurement Division](#)
- [Water & Wastewater Industries Division](#)

Please send an email to [isaga@gabn.net](mailto:isaga@gabn.net) or any of the executive board members if you have an item or subject that you think should be included in the newsletter.

We have many exciting changes going on with our Section!! In addition to a newsletter this year, we are also revamping the website, which will be on display soon. It will even include a Blog site for folks to make comments or dialogue on subjects of interest. We are also excited to be gaining new board members to help make step changes in the activity of our section. Again this year, we have planned some very interesting meetings, including a couple by end users; a plant tour; a one day seminar, and of course our ever popular golf outing and PEN Show. Please try to support these events and meetings so that our section can prosper with solid networking, good friendships, and of course assistance to the schools and industry in our area.



SAVANNAH RIVER SECTION

**TOPIC: Latest wireless instrumentation and Designing a Secure Industrial Wireless Infrastructure.**

**Speakers: Rich Miller - Honeywell  
Dave Gunn - Honeywell  
Mike Kerwin - AC Controls**

Honeywell OneWireless solutions offer several benefits beyond avoiding wiring costs. These solutions have helped customers optimize plant productivity, ensure safety, meet regulatory compliance and improve asset reliability. The XYR 5000™ line of wireless transmitters was launched in 2003 and has over 500 customer installations around the world. Honeywell also offers wireless-enabled productivity applications like IntelaTrac PKS and Mobile Station that operate over 802.11 networks.

Honeywell's wireless offerings include: **XYR 6000** and **XYR 5000 Wireless Transmitters** enable automated monitoring in areas where hard-wired transmitters are too costly, difficult or time-consuming to implement.

**IntelaTrac PKS** automates field data collection, integrating field data and asset management functions with control room operations.

**Mobile Station** provides access to control system information to remote users where and when needed.

Honeywell OneWireless solutions is a universal mesh network that supports multiple wireless-enabled applications and devices within a single environment. OneWireless supports multiple industrial protocols and applications simultaneously, providing a single wireless network that is simple to manage and efficient to operate.

Honeywell is committed to ensuring that current products integrate into the second-generation wireless network enabling a seamless migration. XYR 5000 can coexist with Honeywell's second-generation system using the mesh backbone to transport XYR 5000 messages (by connecting the XYR 5000 base radio to the iNode). Honeywell is also committed to ensuring that various protocols, such as Modbus, OPC, HART, Fieldbus, Profibus and others can communicate and interface with this network.

The OneWireless network is:

- Universal – One platform supporting many field protocols and applications simultaneously
- Simple – One system to learn, operate and maintain
- Efficient – One scalable network conserving spectrum and power

These key attributes provide the following benefits:

- Single plant wide wireless infrastructure for lowest total cost of ownership,
- Simultaneously connects to installed industrial protocols (i.e., HART, OPC, Modbus, etc)
  - Best integrated industrial security available today .

**Section Membership Status**

199 members active  
19 members in grace period  
17 members have wrong e-mail addresses  
2 members have no e-mail or phone number

**Update Membership Record**

Every member can update their ISA record on line. Go to [www.isa.org](http://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](mailto: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.

- Do You Know the answers! If yes, you can get a prize.
- What is the District number of our section?
- Can you down load an ISA Standard?
- Which month your membership expires?
- Are you eligible to be senior member?
- What are the requirements for life membership?



SAVANNAH RIVER SECTION BOARD

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