



# Wilmington Delaware Section

# The Sensor

## May

2007

### In this Issue

1. S88: What's in It for Me
2. President's Message
3. Standards: SP82
4. Book Review: Continuing Professional Development

### Upcoming Events

May 22—WISA Section Meeting

June 19—WISA Family Picnic

Aug 21—WISA Nite @ the Blue Rocks

May 22, 2007

**S88 What's in It for Me?**  
**Julie Smith of DuPont**  
**At the ACE office in Newark**  
**5:30 PM**

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## S88: "What's In It For Me?" Speaker Julie Smith of DuPont

Understand the "how" and "why" regarding the international standard for managing batch control schemes.

## Julie Smith of DuPont

Julie is a consultant in DuPont Engineering and Technology and has over 17 years of industrial experience in both batch and continuous plant environments. Her recent work has focused on educating fellow engineers and managers on the importance of S-88. She has a BS in Chemical Engineering from RPI and a Masters in Chemical Engineering from U of DE.

ISA members have free access to the S88 series of standards. Visit [ISA.ORG](http://ISA.ORG).

# President's Message

By Steve Prettyman

Whew! Two years as ISA Wilmington Section President has really gone by quickly...NOT! But seriously, when I sit back and reflect on all of the learning, laughter, and lifelong friendships I have experienced, enjoyed, and engaged in the past two years, I am overwhelmed with a sense of accomplishment and satisfaction. Being the ISA Wilmington Section president was not something that I had targeted as a goal for myself and, quite frankly, I did not see the value in extending myself as a volunteer; however, the events that have transpired during the course of my tenure have permanently changed that perspective.

In fact, I have become so energized by the value I have realized through volunteering for the ISA Wilmington Section, I have made a larger commitment by volunteering for and being selected as ISA District II Vice-President (DVP) Elect 2007-2009. This is a larger commitment for which the ISA Wilmington Section Presidency has prepared me. The DVP commitment spans a total of six years; two years as DVP-Elect, two years as DVP, and two years as past DVP. This approach ensures a continuity of purpose, procedure, and focus for the District II activities.

Some of you might be saying to yourself, "What on Earth is he thinking?". And, to that, I have no response, other than to state that I really enjoy the leadership development opportunities that I receive exposure to when I attend the ISA functions. Being the ISA Wilmington Section President opened my eyes to a network of professionals that I can call on for technical direction, employment opportunities, and management ideas. The depth and breadth of the ISA constantly astounds me and this is what draws me further into the volunteer activities.

I did not know what to expect when I originally volunteered to become ISA Wilmington Section President-Elect that fateful day by the beer keg at the annual picnic in June of 2004 (thanks a lot Nick), but I have since developed a deep appreciation for who the ISA is, what the ISA does, and how the ISA fits into my life. If you have not already volunteered for the ISA, please consider the benefits of the relationship that you will receive and provide. You will receive what ever it is that you decide is important for yourself, it just takes some consideration and focus to find it, and you will be amazed by what your contribution will provide. In fact, you may even surprise yourself, I know that I did.

As I write my second to last ISA Wilmington Section President's Message from my small gray cubicle, I realize that I have benefited greatly from my participation in the ISA and I consider it an honor to be among a group of volunteers with such conviction, talent, and professionalism. You too can share in this experience if you take the time to share yourself and allow this wonderful opportunity to reveal itself to you as it did to me.

Next month, I will say my farewell as the ISA Wilmington Section President at the annual picnic where I will be looking for the next unwitting torch bearer to be standing near the beer keg preparing to be launched upon a journey of enlightenment and discovery. Watch out, it just may be you.

# The Lesson of Lifelong Learning



## BBB (Borrow)

*Continuing Professional Development A Practical Approach*  
by John Lorriman

Reviewed by Nick Sands

Few books have been written on the subject of professional development, though some very interesting work has been done in this area. John Lorriman is certainly dedicated to self-development and he has provided guidance for the rest of us in *Continuing Professional Development; A Practical Approach*. Lorriman has been a member of the Institute of Electrical Engineers (IEE), now the Institution of Engineering and Technology (IET), where he was a past chairman of the Professional Development Committee and founder of the Training Committee. He is also a member of the International Association for Continuing Engineering Education (IACEE), and chair of the Professional Development Working group. He has written articles, newsletters, and two books on professional development.

The author starts an explanation of continuing professional development (CPD). Formal and informal definitions are given, but Lorriman also asks the reader to develop his or her own definition. CPD is presented as the responsibility of the individual, but also of great benefit to companies and other organizations. A manager's primary role should be coaching and helping individuals grow toward their potential. To reinforce the message that CPD is a personal responsibility, the author has included testimonials by a variety of individuals.

The next chapters provide some guidance on how to proceed once you accept the need for CPD. One step is to identify your key competencies or skill areas, either technical or non-technical. This can be done using a competency scale, like 1 to 6 or 1 to 5, to identify current and goal skill levels. Lorriman suggests linking this to performance appraisals. The competency analysis can be documented in a personal development plan (PDP) or a personal development record (PDR). Examples of PDRs, some of which are available free on-line, are shared, along with case studies of organizations which use PDRs.

Mentoring, putting competence into people, and coaching, drawing contributions from people, are important tools for CPD. In an outdated chapter, the author also discusses the use of CD-ROMs, which were new at the time, and software as tools for development. His advice is even truer for the software tools of today. This also applies to distance learning, which is even more available today, and open learning, such as reading, audio tapes and CDs. Other development opportunities are offered through universities and professional organizations like ISA. Several interesting case studies are again provided. In the final chapter Lorriman discusses CPD in an international context.

# Standards & Practices: SP82 Electrical and Electronic Instrumentation Standards

By Nick Sands

To scope is to develop instrument classifications, test methods, performance criteria and ratings, safety requirements, and constructions, where necessary, for reasons of performance or safety, for electrical reference measurement standards and devices. The chairman is Richard Masek. Here is part of the description of SP82 committees and standards.

The ISA-SP82 committee continues to revise and enhance ISA standards that reflect its scope and purpose. ANSI/ISA-61010-1 (82.02.01)-2004, Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements, was published in 2004 as a jointly issued standard from ISA, the Canadian Standards Association (CSA), and Underwriters Laboratories Inc. (UL). This standard also contains revisions through and including 22 July 2005. The revisions dated 22 July 2005 include the addition of a new U.S. annex, Annex DV US, for the adoption of IEC 61010, Part 2 standards for particular requirements.

**Welcome to WISA!**

**Leata Damouth**

of

**Applied Control Engineering, Inc.**

**Welcome to WISA!**

# WISA Shrimp Boil

By Jennifer Slivka

The Wilmington Section's World Famous Shrimp Boil was success with visitor's from as far as Ireland. Boil Masters Joe Gunn and Mike Scott once again served up a spicy mix of shrimp, sausage, corn and potatoes. Cold beverages washed it all down.

The annual survey for input on meeting topics yielded a moderate response. The top three topics this year were:

- S95 - control system integration
- Professional Development
- S99 - control system security.

The big draw for the survey is always the beverage cup, and then the door prizes. This year the winners were:

- Eric Waugh
- Peter Lantagne
- Tony Figurelle
- James Coleman

As has become tradition, a toast was held in honor of Dan Roarty, the Grand Master of the Shrimp.

## WISA Family Picnic

**June 19**

**5:30 PM—Dusk**

**Free Food and Beverages**

**Our Lady of Grace Picnic Ground**

**Softball and Horseshoes**

## 2007 Ralph L Moore Scholarship

By George C. Bentinck

Each year the Wilmington section ISA extends a \$1,000 scholarship to a high school senior who is planning to attend a 4-year college, University or a technical training school. An ISA member of our section must sponsor the candidate and applicants pursuing a technical or science degree will be given higher preference.

The scholarship committee will select the successful candidate. The application deadline is May 15 and the check written to the college of the candidate's choosing will be presented at the ISA Annual Picnic in June. The details of the selection criteria and the application may be found on the Wilmington Section ISA website [www.isa.org/community/wilmi](http://www.isa.org/community/wilmi) after March 15, 2007.

**WISA Shrimp Boil  
April 24, 2007**

**Friends of the Shrimp**

**North East Technical Sales, Inc.**

**Pro-Tech Solutions**

**Tyco/Scott Health and Safety**

**Aspentech**

**Applied Control Engineering**

**Mechanical Design Solutions  
& Graphic Design Solutions**

**Ohmart/Vega Corp.**

**Book Review cont..**

Lorrinan and the IEE, now IET, demonstrated their commitment to CPD by writing and publishing Continuing Professional Development; A Practical Approach. This book may not be an obvious choice as an important read, but it may have a real impact on your career. Borrow (BBB) this one and renew your commitment to continue your development. The paperback edition is available from Amazon.com for \$35.

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**Sensor Trivia Question**

Where did Steve write his column?

Send your answer to  
[Nicholas.P.Sands@usa.Dupont.com](mailto:Nicholas.P.Sands@usa.Dupont.com)

Win an ISA shirt.

**ISA Member Benefits**

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