



Wilmington Section ISA  
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**Wilmington Section ISA**

*ISA, the international society for measurement and control, advances the technology and the competence and careers of practitioners for the benefit of industry and humanity.*

Check out our web page at <http://www.isa.org/~wilmdel/>

## **Wilmington ISA Section Meeting "Asset Productivity"**

**by Edward Smigo, Proconex**

**Tuesday, January 25, 2000  
Best Western, Newark DE, 5:30 pm  
I-95 to Rte. 273 East, right at first light**

Please RSVP by Friday, January 21 to  
**Nicholas.P.Sands@usa.dupont.com**  
or leave a message at 302-761-2324

### **ISA SENSOR**

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# The Sensor

January 2000

## First Section Meeting of the Millenium!

Welcome back members from what was hopefully a safe and happy holiday season! Our section will kick off the new millenium properly with a terrific meeting about asset productivity. You've all heard the buzzword, now come find out what it really means to the instrumentation and controls industry! Our featured speaker of the evening will be Edward Smigo of Proconex. Come join us for an interesting and informative evening!

## Edward Smigo, Proconex

Edward Smigo has been with Proconex since 1980. He is currently Director, Systems Technology, a role in which he consults, trains, and sells solutions for their entire customer base. Among his responsibilities are improving the level of technical expertise for systems engineers through training, modularizing solution development, and marketing. Prior roles and responsibilities have included managing a department of twelve employees that included project managers, engineers, technicians, and secretaries. He has also successfully designed hardware and software for analog, digital, and distributed control systems and led field startups. Throughout his career he has managed and configured a wide variety of projects with emphasis

## CALENDAR OF EVENTS

January 25, 2000  
Section Meeting  
Asset Productivity

February 8, 2000  
Executive Committee  
Meeting

February 22, 2000  
Section Meeting

on pharmaceutical and specialty chemical batch as well as continuous combustion for boilers and steel making.

Edward received his B.S. in Electrical Engineering Technology from Penn State. He is currently a member of the International Society of Pharmaceutical Engineers (ISPE), and an Engineer in Training in the State of Pennsylvania.

## November Joint IEEE Tour Review

The November section meeting featured the joint IEEE-ISA tour of the Hewlett-Packard building and manufacturing facilities. As many of our membership may know, the analytical instrument division of Hewlett-Packard became Agilent Technologies, Inc. effective November 1, 1999. We began our evening with a nice sumptuous dinner buffet courtesy of our hosts at Agilent. After dinner, our membership spent some time in the classroom

learning about Gas Chromatography basics and different measurement techniques. We covered the analytical equipment employed for each technique, including similarities and differences, ending with a question and answer period. We started our tour by breaking our large attendance into different groups to tour the International Regulatory Test facilities for EMC, Product Safety, Environmental and Package Certification areas. We were also able to tour the manufacturing and assembly area for Gas Chromatographs. Many members were stunned by the volume of the building and the efficient employee-friendly use of space in production areas. We also learned that Agilent is able to offer certain testing services to other companies. Our thanks again to Agilent Technologies for a first class tour!

## Ralph L. Moore Scholarship

Our Section is once again accepting applications for our scholarship named in honor of one of our favorite and most esteemed members. The application is open to any person who is currently a senior in high school and planning on attending further education in any form. The applicant must be sponsored by a member of the Wilmington Section. Send all requests for an application to Dan Roarty, Scholarship Chairman, at [roarty@eit-online.com](mailto:roarty@eit-online.com). Dan can also be reached at his home at 302-292-8866. All responses must be received by mid-May.



### **50th Anniversary Celebration a Huge Success!**

The section celebrated its 50th anniversary with dinner and festivities at Caffe Bellissimo on December 4, 1999. In addition to an excellent meal, members were treated to an appearance of Tom Lagana, founder of Success Solutions. Tom had some guidance for the section in reaching its goals in the new millenium and beyond, using the acronym WISA. These action items involve writing down your goals, imagining and visualizing them, specing and defining them, and finally, affirming then to yourself and others. This last step is particularly crucial, as it raises the ante and holds one accountable for achieving the goals. In addition, one may find that others are able to help in reaching the goal.

Several awards were distributed to section members during the evening. Three members of the executive committee received the District 2 "ACE" award for achievement, contribution, and excellence. The hardworking

members were Bill Balascio, Gopal, and Joe Smith. In addition, the section distributed its fifth Charles B. Otto award to Harry Connor (see related story). Congratulations to all!

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### **Did You Know??**

Tom Lagana, one of WISA 's favorite speakers, is co-authoring an upcoming book of heartwarming stories with Jack Canfield and Mark Hansen in the #1 Best-selling series of "Chicken Soup for the Soul." Please see Tom's WebSite at [www.angelfire.com/de/lagana](http://www.angelfire.com/de/lagana).



### **Harry G. Connor Receives Charles B. Otto Award**

ISA Wilmington Section's Charles B. Otto award recognizes technical contribution. The award has only been issued 5 times thus far in section history (Ralph Moore and Page Buckley were past recipients). The sixth award was presented this December to Harry G. Connor.

Harry retired from the DuPont Engineering Department in 1985 as a principal consultant in the Instrumentation and Process Control group. Harry is known for his outstanding skills in the

areas of electrical safety in hazardous locations and process analysis (particularly UV and IR where he helped develop offerings for the DuPont analyzer business and applied the technology at company plants).

The Wilmington Section made major contributions to hazardous location safety during the 1960's and 1970's. A series of ISA Monographs on the subject were edited by Al McKinney of Wilmington Section (and DuPont Engineering Dept.) and published by ISA national. Harry assisted Al with the editing task and had papers of his own in the Monograph covering aspects of intrinsic safety. Harry also was a long-time member and key contributor on ISA SP12 which deals with hazardous location electrical safety.

"When I first moved to Louviers in 1987 I was asked to take up Harry's activities in the hazardous location field. Arrangements were made for Harry to work with me part time. We later became involved with the development of CFC (Freon®) alternatives; working with the product development and customer support groups to identify potential flammability/ combustibility hazards and safe application conditions/practices for the new alternatives. I observed Harry make significant technical impact on Dupont's internal groups, customers, national testing labs such as Underwriters Lab, and industry trade groups. I left all those interactions feeling that the world would be a safer place because of his efforts and incredible knowledge. Thanks Harry, and congratulations!"

- George Bentinck

## CCST: Your Input is Needed!

A CCST (Certified Control System Technician) training course is under consideration for this spring. It can only happen if enough members are interested! Let us hear from you!

The details are:

- \* location: Del Tech Stanton campus
- \* time: Tuesday or Thursday evening from 6:30 p.m. to 9:30 p.m.
- \* course format will include use of ISA Training Video Tapes
- \* length of course: 10 weeks
- \* instructor: Swami Kalyanam
- \* cost \$350 per student, including materials

The spring semester at Del Tech. starts on January 18, 2000 and ends on May 13, 2000, with a spring break during the week of April 23, 2000. We could therefore have the course any time during this period, depending on students' preference. If interested, please contact Bill Balascio at (302) 998-4040 or email at balascwd@ace-net.com.

## Welcome New (and Renewing) Members

Antony Butterworth  
Ronald Campbell  
David M. Corking  
Richard R. Dunn  
Charles F. Hepner  
Dennis A. Inverso  
Deonarine G. Jawahir  
Michael S. Lanzi  
Richard Lieberman  
Debbie Lien  
Gary Lipson  
Oliver A. Manalo  
William McTigue  
Victor J. Pajan  
Mark F. Papillo

Michael J. Pierson  
Jeffrey L. Roushey  
David A. Russell  
Michael Thompson  
John W.W. Wood Jr.

## Neighboring Section Meeting

The Tar Heel Capital Area Section will hold its biennial Product Education Night-2000, PEN-2000, in the Kerr Scott Building at the North Carolina State Fairgrounds in Raleigh on Tuesday, March 21, 3:00PM to 8:00PM. For further information contact Fred Meier, 412 Colony Woods Drive. Chapel Hill, NC 27514, phone 919-933-1327, e-mail famjp@aol.com.

## Standards Report

Activity in standards remains high. Serious discussion has started in ISA around the future of standards and standards writing. A decline in user participation is seen and funding is a problem. For the end user, the economic advantages of standards may not be realized until some time after approval. Manufacturers may oppose progress in standards which might affect their current products. The difference between standards which provide definitions or describe testing of performance and those which define product performance is becoming clear.

Standards are important in ways which may be overlooked. First is the value of standards in training and education of users. An approved standard represents the distilled knowledge of a number of people and has to be widely

balloted. This protects users from narrow views and limited experience. Second is the real possibility that what is today a standard with optional use, may become required by government regulation in the future. This is a very good reason to review drafts and take the opportunity to participate and to comment seriously.

FIELDBUS: The ballot to accept the IEC eight protocol Fieldbus proposal has passed in IEC. It is not yet clear just what this will mean to the users. The eight include Fieldbus Foundation, Profibus, ISA, FIP, and Swiftnet. Swiftnet is a local ShipStar product, developed by our own Bob Crowder.

PSM: Process Safety Management, Vic Maggioli reports significant progress in both the ISA and IEC. This effort is widely supported by those who understand the impact. Remaining concerns here involve the differences between US and EC philosophies. (My personal and over-simplified explanation is that the US has more members concerned about getting value for money spent on safety while the EC manufacturers see a huge market opportunity. Another way to see this is that there are the two conflicting views of highly knowledgeable evaluation of safety cost versus value opposed to a formula type approach using less evaluation and more procedure)

CONTROL VALVE DYNAMIC TESTING: The standard and the technical report have passed the recent ballot and are moving towards publishing.

- Cullen Langford