



Wilmington Section ISA
Box 9254
Newark, DE 19714-9254

Wilmington Section ISA

ISA—The Instrumentation, Systems, and Automation Society



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

Wilmington ISA Section Meeting

**Richard Dunn - Senior Consulting Engineer
DuPont Company**

**"Safety Instrumented Systems - Recent Developments in
Standards & Guidelines"**

**5:30 pm Tuesday, Oct. 23, 2001
Del. Tech & Community College
Stanton, DE**

**Take I-95 to Rte.7 North (exit 4B),
to Churchmans Rd.,
use the main entrance.**

Please RSVP to Steve Nann at:
nann@ellipsys.com
610-328-6400

ISA SENSOR

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WILMINGTON SECTION ISA

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Newark, DE 19714

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The Sensor

October 2001

**Next Event : Section Meeting
Tues. Oct. 23rd, 2001
Del Tech, Stanton DE**

**Speaker:
Richard Dunn - Senior
Consulting Engineer,
DuPont Company**

The past five years have seen the development of several U.S. and international standards and guidelines covering the design and implementation of Safety Instrumented Systems. These documents have introduced new terminology and techniques that must be understood by practitioners in this area of technology. This presentation will provide an overview of existing standards and guidelines, along with a discussion of standards currently under development. In addition, the move toward global standardization and its impact on the U.S. will be discussed.

Richard (Rick) Dunn is a Senior Consulting Engineer with the DuPont Company, with fifteen years' experience in Instrumentation and Controls. Rick is a member of ISA's SP84 Committee which developed the U.S. standard for Safety Instrumented Systems and is also co-chair of the ISA SP91 committee. In addition, he is a member of the IEC61508 and IEC61511 committees, which are developing and maintaining those two international standards

Directions to Del Tech :
From Wilmington:
Take Interstate 95 South. Take Exit 4 North toward Christiana

OTHER FALL 2001 EVENTS

Oct. 30, 2001
Exec. Committee Mtg
Applied Control Engineering

Nov. 27, 2001
Section Meeting
Del. Tech & Community College
Stanton, DE
Joe Valencia – Intellution
Increasing "Overall Equipment
Effectiveness" By Decreasing
Equipment Downtime

Hospital. Stay to the right and yield onto Churchmans Road. The next right takes you to the main entrance to the campus.
From Newark:
I-95 North to Exit 4-B, Route 7 "Churchmans Crossing". Continue over the highway overpass to Churchmans Road, Exit 166. Stay in left lane when ramp divides; turn left at traffic light (Churchmans Road). Turn left at next light onto entrance road to College. Almost immediately, turn right on a short, curvy road to stop sign; then turn left.

Sept. 2001 Section Meeting

Merlynn Wegter officially transferred leadership to the new section President Kong Nguyen. Kong inturn announced the names of the other officers and section leaders. Kong specifically pointed out that Steve Nann is not only a new section member but also has undertaken the responsibility of Program chairperson. Steve addressed the attendees,

reviewing the summer events. The family picnic was the largest ever and the gifts for the children were a hit. The Blue Rocks game and picnic had a disappointing attendance. Those who did, enjoyed themselves. Steve introduced the speaker: **James Jariwala - Applied Control Engineering**

"Web Based Reporting Solutions"

James Jariwala received a Bachelor of Chemical Engineering degree from the University of Delaware. He has been a project engineer on a variety of projects involving data collection and reporting on a plant wide basis. James gave a general introduction to web-based reporting strategies. He reviewed commercially available software products. Common features include not needing to install client software, data is accessed via standard web browsers and any local PC is capable viewing the data(Read only). Security can be applied at the system level and on individual report basis. Most packages can provide real-time and historical report information.

Among the server software and technologies include: Crystal Decision's Crystal Reports which has a Simple end user interface, is well suited for tabular and textual information, reports can be developed via MS Front Page and connects to multiple data sources. LightHammer's Illuminator is referred to as an Ultra-thin client interface, presents data in tabular or graphical format, reports can be developed via MS Front Page or

any HTML editor and also connects to a wide range of data sources.

Perl is a common choice for writing Comuter Gateway Interface script. A CGI program can be any program which can accept command line arguments. These have small server imprint and has similar features as Crystal and Illuminator.

Among HMI packages that have add-on software to put information on the web include:

GE Cimplicity , Wonderware FactorySuite and National Instrument LabVIEW .

However, there are other server software pre-requisites such as IIS, SQL Server or InSQL.

Some typical applications are providing downtime, efficiency and production summaries.

Reports and screens can be applied to discrete manufacturing, continuous and batch processes.

Table top Demo

Jeff Itell, of Cemtech Energy Controls,

demonstrated Yokagowa's DAQSTATION. It allows the integration of PLC data into a TCP/IP based Intranet or the Internet Engineers can receive alarm data, instantaneous values at preset times, report data, power-outage data, and other information via e-mail.

The system also allows users to display DX screen using an Internet web browser and has the ability to control security. It also provides FTP client functionality allowing automatic transfer of data files saved to the DX unit's internal memory.

Special Thanks also goes to **Jim Keaveney of Honeywell**, who provided food and beverages for the meeting.

Steve Nann and James Jariwala contibuted to this article.

Wilmington ISA Golf Outing Sept. 18th, Chesapeake Bay Golf Club

Once again Jay Kelly orgranized this year's event held, Sept. 18th. at the Chesapeake Bay Golf Club, Rising Sun, MD. As in the past, the package included green fees, cart, prizes, lunch and refreshments. There was a cash bar and optional dinner. Jay provided the following feedback.

The weather and course was beautiful. There were 83 participants, nearly 20 more than last year. The staff at the Chesapeake Bay Golf Club did a wonderful job making sure everyone had a good time. Prizes were given out after the dinner.

Jay thinks the good turnout was probably attributed to the flyer/ annoucement that was mailed out in July and having the registration form available on the web.

We Appreciate the generous support of contributors of prizes:

Applied Control Engineering Rose Enclosures Tri State Technical Sales Royal Instruments Instrumentation.COM Wilmington Valve & Fitting Ives

Thanks go to the Event Committee members:

Howard Holloway
Doug Berg
Blake Doney
Tom Finn
Jay Kelly

Everyone is looking forward to the next golf event in September 2002.

ISA Executives Respond to the Tragedy of Sept. 11, 2001

The following is extracted from a recent letter signed by ISA Executives

Robert M. Bailliet, P.E.
ISA President

Piergiuseppe Zani
ISA President-elect Secretary

James E. Pearson, Ph.D.
ISA Executive Director

"We all have been deeply affected by the recent tragic events of September 11 in the United States. Our thoughts, prayers, and sympathy go out to those who have lost friends, colleagues, and loved ones. In both our personal and professional lives, we face new challenges, greater uncertainties, and redefined priorities. The way we live and the way we conduct business will undoubtedly change forever. This situation is more than a United States condition, how-ever; it is a global one. Now is the time to unify and to strengthen our resolve to improve the human condition and to fight tyranny and the opponents of freedom, wherever they are and whatever form they may take.

Regardless of where you live or work, or what your specific job is in instrumentation, systems, and automation (i.s.&a.), we know you will continue to have professional needs – the need to connect to others in the i.s.&a. field; the need to obtain information vital to performing your job; the need for continuing education and training to advance your career. We want to assure you that the recent events and changed environment have further strengthened ISA's commitment to meeting your needs and to serving ourmembers, the companies they work for, and the entire i.s.&a. field. And ISA remains solidly committed to globalization – to serving our members and other customers wherever they live and work around the world.

Respose Cont'd

ISA is fortunate to have great strength – the people and financial resources to fulfill our commitment. People are always the essential resource. Our members have long had a strong tradition of volunteering their time in service to others by working within ISA – through our 357 Sections in 29 countries, 20 technical Divisions, and our districts, departments, committees, councils, and boards. A key part of ISA's job is to provide the infrastructure for organizing, mobilizing, and communicating with our Members. Our professional staff will continue to provide the specialized expertise and management/administrative services needed to develop, operate, and maintain this infrastructure.

ISA's programs and services have a proven track record for addressing your real-time needs. As much as things have and will continue to change, ISA's services will still be there for you: timely and informative publications; networking via Sections, Divisions, list servers; regular meetings with others in the field; product and technical information resources to use in your daily job, in print and on the Web; professional development courses designed to address today's technical and business issues; Web-based delivery of information for speed and global reach; standards and practices developed by industry experts.

Yes, things are changing in our lives, but we want to assure you that during the upcoming days and weeks you can continue to rely on ISA to meet your professional needs and expectations, fulfilling to the utmost our new brand positioning statement: "ISA serves instrumentation, systems, and automation professionals and practitioners by providing an essential source of information, training, networking, and other career resources to help them do their jobs more effectively and efficiently." As we move into this period of global uncertainty, you can expect ISA's programs to be more relevant, accessible and hard-hitting than ever. "

ISA 2001 Conference and Exhibition Closing a Day Early Due to Terrorist Attacks on the USA

ISA—The Instrumentation, Systems, and Automation Society announced that the ISA 2001 Conference and Exhibition at the George R. Brown Convention Center was closed on Wednesday, 12 September, at 5:30 p.m. because of the tragic events on Tuesday.

Due to the terrorist attack on the United States, which resulted in a strong desire of many attendees and exhibitors to return to their home and families, ISA leadership and executive management have decided to end the ISA 2001 event one day earlier than scheduled.

"This difficult decision was made in a very considered manner, although necessarily in a short time frame," said Robert Bailliet, ISA President. "We sincerely regret the necessity of this decision, but after consulting with ISA leadership and staff, the ISA Exhibitor Advisory Committee, and ISA 2001 exhibitors, all parties agreed that closing the show after three full days was the least painful option and in the best interests of the majority of ISA customers—exhibiting companies and attendees."

Calendar of Events - 2002

January 15, ISA-IEEE Joint Mtg.
University of DE
February 11, Exec. Committee Mtg
Applied Control Engineering
February 25, Section Mtg.
Del Tech , Stanton Campus
March 26, Plant Tour
TBD
April 9, Exec. Committee Mtg.
Applied Control Engineering
April 30, Shrimp Boil
Wilmington Valve & Fitting Co.
June 25, Family Picnic
Our Lady of Grace

New Wilmington ISA Members

We welcome the new members below to the Wilmington Section ISA :

Mr Gregory Breitkretz
711 Barratts Chapel Rd
Felto, DE 19943

Mr. Nesha Macmurdo
Dupont Dow Elastomers
1 Innovation way Suite 400
Newark, DE 19711

Mr Jerry W Johnson
347 lake Como Cir
Smyrna, DE 19977

Mr Zygmunt T. Sendek
General Chemical
Claymont, DE 19703

Submitted by Bob Crowder,
Membership Chairperson

Wilmington ISA Section Directory

Vince Brady is leading the effort to issue an updated membership directory later this fall. Vince requests everyone to update his or her demographic profile in the National ISA database. He will be using information for this database as the primary input to the directory.

Update your ISA records Online:

From www.isa.org, Select "[Update Your Record](#)" on the left-side of the web page.

Then Select: "[Update/Review Your ISA Member Record](#)".

Fill in the fields to be updated. Click the SUBMIT button when done.

Please bring a friend to the next Section Meeting.