



Wilmington Section ISA
Box 9254
Newark, DE 19714-9254



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
Joint Meeting w/IEEE
"Playing With Models"**

**by Michael J. McCann, PhD.
McCann Science**

**Tuesday, January 9, 2001 6:00 PM
Trabant Center, Univ. of DE
Main St.
Newark DE**

Please RSVP via email to
doug_tipton@ieee.org

ISA SENSOR

Published By
WILMINGTON SECTION ISA

PO Box 9254
Newark, DE 19714

2000-2001 Officers

President: Merlynn Wegter
Rodel (302) 366-0500
Vice-President: Kong Nguyen
E I DuPont (302) 695-6308
Treasurer: Lori Diamond
E I DuPont (856) 540-3056
Secretary: Nicholas Sands
E I DuPont (302) 761-2324

Newsletter Editor &
Web Editor - Greg McCoy
Aspen Technology (302) 774-8112

The Sensor

January 2001

Joint Meeting w/IEEE Michael J. McCann, PhD McCann Science

"PLAYING WITH MODELS"

If you don't understand something, it's out of control. If you can't quantify the underlying causal nature of its behaviour, then you don't understand it. Making and playing with working models is a good way to develop the understanding because it forces you to get the essential facts in clear and unambiguous form. However, mathematical model making (simulation, analysis) is something of a black art. It involves the translation of verbal or visual description into formal language to define a computable version.

Dr. McCann will present examples taken from the chemical and process industries, bio-production, automated manufacturing, vacuum web coating, initiation of explosives, micro-economics. finance and marketing

Dr. McCann, is a Chartered Engineer and has been an independent consultant for the past 7 years. He has a strong background in electrical engineering, electronics and process control engineering and in management sciences and operations research. In 1963, he received his PhD from Imperial College, London, England in Electrical Engineering.

The joint meeting with IEEE will be held at the Trabant Center, Multipurpose Room C, Univ. of DE, Main St. Newark DE.

CALENDAR OF EVENTS

January 9, 2001
Joint Section Meeting
w/IEEE
"Playing with Models"

February 13, 2001
Exec. Committee Mtg.

February 27, 2001
Section Meeting

A "light dinner" consisting of sandwiches, sodas/coffee/etc, chips, cookies will be free of charge.

IEEE requests that all potential attendees reply to :
doug_tipton@ieee.org

Directions: Take Rt. 2, Kirkwood Hwy south into Newark, which becomes E. Main St. Go thru the traffic light for S. College Ave. The Trabant Center is on the left. A **fee** parking garage is just beyond the center.

Local Exhibit and Seminars - A Great Success

We have succeeded in holding a great show - once again - on **Nov 16, 2000**. It was a full house both in terms of the vendors with their state of the art technologies and in response with a large number of users / technical professionals specializing in the area of Instrumentation and control technology. There were 66 vendors occupying 71 booths, supported by more

than twice as many sales and service professionals to describe what is available in the industry. The number of attendees came close to 200, a large number for ISA local shows in our region.

We all should be proud of our accomplishment. Thanks to each and everyone of you for your efforts, energy and enthusiasm shown both during the show and during the days leading to the show. I see bright things coming our way in continuing to provide value to the local vendors as well as the members of our section. The show included 6 seminars on a variety of technical subjects, each of which enjoyed a large audience. We also gave away 7 golf shirts to the following persons whose names were selected from a bowl by our very own former District -2 VP, Jim Keaveny.

Thanks, Jim for your support of our section's activities.

The winners are:

Nick Vassallo of Woertz Company
Joseph Baker of Ekco products
Gary Kleiner of Parker Instrumentation
Kevin Bailey of Johnson Polymer
Matt Kopay of Newark
Bill Morrison of Astra Zeneca
Robert Kilpatrick of DuPont

Congratulations !

More importantly, we have made a great impression among the local industries and the vendors area as a well-run section in District-2. We owe it to each and everyone of you for the energy you have put in to making this

event a success. I am proud to be part of the Wilmington section and expect to continue to participate in the sections's future activities. Thanks again to all the volunteers and the section officers for their valuable support.

P. C. Gopalratnam - Exhibit Chairman

President's Message

Hello fellow Wilmington ISA members, the first thing I need to do is to apologize for not introducing myself sooner. I am Merlynn Wegter, the current president of the Wilmington Section of ISA. I am a CCST, Level III, technician employed by Rodel Inc., located in Newark, Delaware.

I want to thank Jay Kelly for organizing and executing yet another successful golf outing and I hope that those who attended enjoyed themselves. I congratulate him for picking almost perfect weather conditions for the event.

Our Section's Program/Arrangement Chair, John Wood, has put a lot of time and effort into arranging interesting and timely topics for the upcoming section meetings. Please show your support and your appreciation by attending as many section meetings as possible. Our Section's Instrument Exhibit and Training Seminars held on November 16, 2000, was a very big success due to the section members attending and the vendors by presenting the latest technology for everyone to see. This was an excellent opportunity to observe the latest in technology with minimal expense and travel time. We had 70 tables displaying all types of instruments and control systems. The number of free training seminars was increased from 4 to 6 sessions this year.

The "Computer Process Control" sessions became the hot topic with such a crowd there was standing room only. The Exhibit Committee had worked very hard to make this exhibit better than the last, but would like to apologize to those who attended who experienced parking difficulties. I would like to remind the members that the more you put into an organization the more you get back. The time I have spent attending section meetings and serving as an officer has built my confidence and improved my leadership skills. ISA national offers leadership training to all members serving as officers and I encourage some of our less active members to think about serving as an officer or committee member.

After serving as newsletter editor for two years, Julie Smith has resigned her position to allow herself more time to continue her education. Greg McCoy as volunteered to act as Newsletter editor in addition to being webmaster, but could use a coeditor. If anyone feels that they have time to help Greg please contact him: greg.mccoy@aspentech.com.

John Wood is the Arrangements chairman and could also use help planning section meetings scheduled in the near future. If you have any topics that you would like covered at a section meeting, contact John via email : John-W.W.Wood@USA.dupont.com

We want to try to provide our members the information they feel is important.

Our next meeting will be a joint meeting IEEE on Jan 9. This will be a 6:00 PM dinner meeting and the speaker's topic will be "Playing With Models" by Dr. Michael McCann.

- Merlynn Wegter

District-2 V.P. Message

Gopal & the Wilmington ISA Show Team-

Congratulations on another great show! From a vendor (as well as DVP) perspective, it was once again a most impressive effort with some super results. Obviously, this is due in no small part to all of your hard work. You demonstrated that a good location, a strong technical program, and active promotion can produce exhibits that provide value to both exhibitors and attendees.

It was not that long ago that there was consideration to canceling the show entirely. You should all be proud of the remarkable turnaround!!

Best regards,

Jim Keaveney
VP for District 2

Parting Message from Jim Keaveney, District-2 VP

I want to thank all of you for your support over the past two plus years. A special thanks to Bill Balascio who served as our District Education chair.

Though I could never really tout this at a District meeting, the Wilmington Section was the best run and made the most progress during my tenure. Kudos goes to your leadership and that proud core team for such a great job! You raised the bar for our other sections and should be proud of your accomplishments.

Best wishes for the New Year.

Best regards,

-Jim Keaveney

Report of Standards and Practices

by
Cullen Langford,
chairperson

I attended the S&P Board meeting in New Orleans as "an innocent bystander". (Laughter followed.) I was also at the meeting of standards chairmen. This was an opportunity to air out concerns around cost and value. ISA needs to control costs; the chairmen mostly want to expand the value. The discussion was lively and continues."

ISA-75.25.01, "Test Procedure for Control Valve Response Measurement from Step Inputs" is circulating for ANSI approval and issue.

ISA TR-75.25.02, "Test Procedure for Control Valve Response Measurement from Step Inputs" was ready for issue with **75.25.01**, probably this year.

The board acted to accept the PIP (Process Industries Practices) P&ID practice as an ISA standard and presumably with ANSI approval. This would be a breakthrough in providing an ANSI approved standard for P&I drawings. This is an area where considerable difference of opinion is common. There is also progress in the **SP75.07** control valve noise prediction standards. A new Aero standard is coming out. A Hydrodynamic Noise prediction standard is under development.

There are some ASME standards developments of interest. A new version of **MFC-8M** on head meter impulse lines is ready to issue. A new rotometer standard is being balloted. Also of interest is a new version of **IEC-5167** which addresses head type meters and is now out for international ballot.

A new equation for discharge coefficient is proposed along with a new gas expansion factor correction equation. The changes are not trivial with changes of up to 1% possible. After 50 years of development there is still considerable discussion around the coefficients.

Vic Maggioli is still very deeply involved in both ISA and international process safety management standards work. The level of activity is still very high and progressing well. Several drafts are circulating at this time. It is a rare day that there are not several emails on the subject, either seeking information or replying to a request. It amounts to a never ending continuous discussion meeting.

There are efforts within PIP in developing control valve standards.

SP50 and the **USTAG** met briefly at New Orleans. The combined standard is in the maintenance phase with work continuing to combine and organize the eight variations.

I've resigned as chairman of both **SP75.07** and **SP75.25**, turning the offices over to new leadership.

If we have any members presently involved in any other standards efforts of interest, please let me know if you can share the information with us all.

Respectively Submitted,
Cullen Langford

Membership Attendance

If you haven't seen someone you know at a section meeting for a while, why not give them a call and say you'll meet them there ?

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 :

DRoarty@ScottBacharach.com

Dan can also be reached at his home at 302-292-8866. All responses must be received by mid-May.

National ISA Leadership

effective 1 Jan. 2001

President - Robert M. Bailliet,
Syscon International Inc.
President-elect Secretary -
Piergiuseppe Zani,
Aero Products International
Past President - Perry L. Grady,
North Carolina State University
Treasurer - Don W. Zee,
Don Zee Associates

Department Vice Presidents:

Automation & Technology -
L.M. "Dutch" Keen
Industries & Sciences -
Robert M. Hubby
Professional Development -
Mark H. Wainwright
Publications -
Walt H. Boyes
Standards & Practices -
Marty Zielinski
Strategic Planning -
Steve R. Huffman

District 02 Vice President:
Ken P. DeLucca,
Millersville University