



**Hamilton
Section**

Setting the Standard for Automation™

Outlook

 Newsletter
Spring 2006

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Upcoming Events

- Feb 28 Member Meeting 6:00 pm**
Pinetree restaurant
- Mar 21 EXPO 9:00 am to 5:00 pm**
RBG Burlington
- May 26 5th Annual Golf Tournament**
Chippewa Golf Course 10:30 am

President
Jerry Gelata
(905) 309-0596

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Bob Popek
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Call to Meeting

The Hamilton ISA Section is pleased to invite you to the next general meeting of the season. The event will feature a presentation by Hoag Ostling, Chief Application Engineer for Field Instruments at Yokogawa Corporation of America.

Topic: **Unique Coriollis Design Improves Flowmeter Performance**
Date: **Tuesday – February 28, 2006**
Time: 6:00 PM (Dinner)
Meeting: 7:00 PM (Speaker)
Venue: Pinetree Restaurant (*beside the railway bridge*)
397 Centennial Parkway N., Hamilton

For more information on this presentation, refer to the ISA Hamilton Web page <http://www.isahamilton.com/meetings> or the Meeting & Events section of this newsletter. We look forward to seeing you there!!

Message from the President

As you know, ISA is a volunteer, not for profit organization and the Hamilton Section really pulls together in a big way to help the organization and our Membership get as much out of it as possible. I would like to give a big pat on the back to all of our executives, volunteers, members and associates for helping to make the Hamilton Section a professional yet enjoyable experience. I hope you enjoy our Spring '06 issue of "Outlook". As you read through, you will see that we have a lot of activity happening in our Section that we would like to share with our colleagues and fellow members.

Jack Vincent has managed to book our Member Meetings for the rest of the season. You can stay tuned for times and dates through our website, and through future mailings. Bob Popek is getting right into his role as District 13 Vice President, but is still very accessible and willing to assist with our local Section activities. Berny Portolesi has become deeply involved with promoting ISA and their instrumentation certification programs to gain much needed recognition in the industry. He's moving this forward and we applaud his tenacity and diligence in his efforts.

EXPO 2006 is just around the corner, and Alice Kelly is in full swing to make this event better than ever. Please mark March 21 on your calendar to attend the biggest instrumentation trade show in our region. And don't "fore"get our Golf Tournament on May 26.

Sincerely
Jerry Gelata - President -ISA Hamilton Section

District 13 – Message from the District Vice President

Dear fellow ISA Members,

As of January 1, 2006 I have the honor of being the Vice President for District 13. My election occurred in 2004 at the District 13 Leadership Conference in Hamilton and my training curve started immediately after. My predecessor, Randy Dennie led our district and sections, namely Hamilton, Toronto, Sarnia, Montreal & Saguenay for two years, just as I plan to lead our district for the next two years.

My primary advantage as DVP is being in a section that has terrific morale on the executive committee. They provide me with the support I need to carry on in this endeavor. While leading at the district level seems an onerous task, it can be very rewarding. Just like other ISA leadership roles it is a chance to meet with people in ISA who share the same zeal for furthering their skills and having fun.

Yes I did say the “F” word. Not the four letter one but just as attention getting is the three letter one. It is contagious and spreads quickly to make people want to be where you are. Having fun works for many beer commercials, so why not for ISA. Having fun is what it is all about.

I realize that in a volunteer organization such as ISA, it is important to listen to our members. Hey, talk and I will listen. I will try to provide the opportunity to develop and model our district after the Hamilton Section. The fun section. As members who have been to our ISA Hamilton EXPO, visited the Hamilton web site, attended a member meeting or gone to our annual golf tournament, it is all about having fun!!!

In closing I would like to say that old adage, “you only get out what you put into something.” Put your volunteer efforts into a society that can be fun. Learn with your peers in a relaxed environment. Come up with some good ideas and we will act on them. We need you to make things happen.

Sincerely yours
Bob Popek – District 13 Vice – President

New Look ISA – Branding & Marketing Image

The new ISA look is evident in the web page, publications and training material. It will appear consistent throughout ISA documentation and letterhead. Even in this edition of Outlook magazine we have introduced the new logo and slogan “*Setting the Standard for Automation*”.

“**Setting the Standard for Automation**” is more than a slogan. The new motto for ISA is a call to action.

Along with the new look is a “branding” that reveals the ISA strengths and services such as:

- Standards
- Certification
- Education & training
- Publishing
- Conferences & Exhibits

It is more practical demonstration and an integration of standards with certification, education and training, publishing, and conferences and exhibits which are the underpinning of the new ISA. All are packaged with a refreshed logo, new design, revitalized InTech magazine and new website. This consistency and alignment of Section, District and Division applications with ISA will more accurately define the breadth and scope of this leading, global organization with over 30,000 members. It will project a strength necessary to compete in today’s changing automation world. The best and brightest are always more attracted to stronger brand images. ISA – “*Setting the Standard for Automation*”

Yours Truly,
Bob Popek – Outlook Editor - ISA Hamilton Section

Update on ISA & CSA Relationship & Pursuit of Standards

A Special Report by Berny Portolesi – Education Chair

On February 1, 2006, the ISA presented themselves to the Standards Council of Canada (SCC), in a meeting at their offices in Ottawa. The object of this event was to begin discussions and inquire about the requirements for ISA becoming recognized by the SCC as an SDO (Standard Developing Organization) here in Canada.

ISA has long been developing automation standards, and formalizing committees towards the progression and advancement in development of Process Control, Instrumentation, and Automation Standards. ISA has over 150 developed and accredited standards. The SCC is a federal Crown corporation with a mandate to promote efficient and effective standardization. The organization reports to Parliament through the Ministry of Industry. The SCC oversees the National Standards of Canada System, as well as co-ordinates the Canadian voice for such organizations as IEC and ISO.

With the progression of a relationship between these organizations, Canadian Industry will benefit from recognized and established Automation Standards, which when utilized, act as a road map of safe and effective means of professionals practicing their automation craft. SCC is further recognizing the need of Standards development in the technical field of Automation practices here in Canada. ISA is continuing in its pursuit of setting the standards for automation on a global frontier.

Also on February 1, 2006, the ISA presented themselves to Canadian Standards Association (CSA), in a meeting at their offices in Mississauga. The object of this event was to seek possibilities and inquire about building a joint relationship with the development and promotion of Automation Standards here in Ontario as well as Canada.

The CSA is a membership association serving industry, government, and consumers throughout Canada and the global marketplace. CSA also has a group for product testing and certification, and QMI for management systems registration. ISA has long been known as the benchmark when it comes to practicing Automation Standards in Industry. With its continuing progression towards defining safe practices and recommended guidelines, ISA is consistently setting the standard for Automation.

Berny Portolesi Education Chair – ISA Hamilton

Left: Picture of Berny Portolesi ISA Hamilton Section (left, Ian VerHappen of ISA Calgary Section and Lois Ferson of ISA staff in Raleigh, N.C. with representatives from CSA.

Right: Picture of Ian VerHappen (left) of ISA Calgary Section, Lois Ferson of ISA staff in Raleigh, N.C. and Berny Portolesi ISA Hamilton Section with representatives from Standards Council of Canada.



Update on Industry: Ontario Industrial Instrumentation Certification 447A

Berny Portolesi reports on a meeting with the Ministry of Training Colleges and Universities which lasted over three days in Toronto on further developing the Ontario Instrumentation Training Program for the Industrial Instrumentation Mechanic (IIM) 447A trade in Ontario. Held at the Delta Hotel off of Kennedy Rd. in Toronto, this meeting was to review and update the current state of on-the-job-training schedule for the Ontario Instrumentation Apprenticeship Program.

After initial introductions, the MTCU presented their new format for preparing and formulating Training Schedules for Apprentices. We reviewed and discussed the newest schedule developed by the MTCU, Process Operator for Chemical Refineries. The format was laid out in a fashion that was more descriptive than the present Instrumentation Training package, and we began with the first sections. Paragraphs vaguely describing areas such as Safety, were discussed as a group and expanded and broken down into more descriptive sub-sections. This method was maintained throughout the entire new package development. Each section was expanded and detailed to better reflect what an Instrumentation Apprentice should be exposed to and be taught. New Sections were of course added to ensure an overall presence of present-day duties and responsibilities. With a newly developed on-the-job training schedule, a new Apprenticeship schooling program in development, and the official Advisory Committee coming this summer, this trade is getting the recognition it has lacked for too long.

The conclusion of these meetings was that from an original 8 page-training program, it is now climbed to a 30-page program. When ISA Trade Standards were mentioned and its absence from the existing documents, it was agreed and supported by all that ISA Standards along with CSA and ANSI are to be recognized as Industry Standards with the Trade. This will stand true and agree with the College Training curriculums recognition of ISA standards. The rough draft will be presented at the March meeting which will also serve as nominations for the Advisory Committee. The MTCU had a real eye opening experience to hear in detail as to the responsibilities and knowledge required to be a qualified Instrumentation Tradesperson. On more than one occasion when one gentleman mentioned a task he is responsible for and everyone else agreed as to its importance, the MTCU replied with, "you guys really do that?" or "how does that work?" The MTCU could not believe the amount of knowledge one person is required to carry with the degree of responsibilities leading from one industry to the next.

Berny Portolesi Education Chair – ISA Hamilton



Picture of members of the Industrial Instrumentation Mechanic 447A Steering Committee.
(Back row: Harold Gruneberg; Stelco Steel, Dan Bryck; Weyerhaeuser, Jason Holt; Bruce Power,
Front row: Chris Denholm; Program Coordinator, Instrumentation, MTCU, Brian Perrault; Falconbridge,
Berny Portolesi Jr; Inco Ltd, Kevin Kubota, AECL, Fred Diamanti; Program Coordinator, Electrical, MTCU)

Meetings and Events

Future Events:

ISA Hamilton EXPO

Tuesday March 21, 2006

Plan on attending the ISA Hamilton EXPO 2006 on Tuesday March 21, 2006 **from 9 AM – 5 PM**. The EXPO is a **FREE admission** event that includes **FREE parking and FREE lunch** (11:30 AM to 1:30 PM).

There will be plenty of **Door Prizes** such as DVD player and/or digital camera, golf shirts, two tickets to the ISA Annual Golf Tournament on Friday May 26, 2006 (a \$180 value), these and many more prizes!!!!

Starting at 9:00 AM is a presentation on “**Fieldbus as a Safety Network**” by the guest speaker Mr. Gaetan Cloutier of SMAR. Mr. Cloutier is a Business Development Manager with SMAR and has responsibilities for promoting Foundation Fieldbus/Profibus/Hart 4-20 technologies throughout Canada and US Markets. The presentation will cover FISCO & FINCO Standards, Fieldbus Power, Communications and Security, Fieldbus Engineered into Safety Systems and Safety in Hazardous Areas with Fieldbus. There are 4 additional technical seminars on new technology throughout the day and over 50 vendor exhibits of state of the art Instrumentation & Control System Technologies.

Technical Presentations

9:00 AM Fieldbus as a Safety Network

by Mr. Gaetan Cloutier of SMAR

10: 30 AM Lightning and Surges - Gods Gift to Maintenance Suppliers

by Mr. Malcolm Franklin of MTL

1:00 PM New Generation of Safety Systems

by Mr. Ondrej Benjik of Siemens

2:00 PM Latest Advances in Non-Invasive Transit-Time Flow Metering

by Mr. John J. O'Brien of Flexim

3:00 PM Optical Scintillation Flow Monitor

by Mr. Paul Lawrence of PML

The EXPO is a “must attend” for Engineers, Operations, Maintenance, Purchasing people and Educators. New products on display include Instrumentation and Control Systems (PLC, DCS, Safety & more), Analytical, Atmospheric Test Equipment, Calibration and Test Equipment, Environmental Control Equipment, Fluid Handling Equipment, Industrial Software (HMI, Asset Management, etc.), Sensors, Valves, Actuators and Drives.

Meet leading industry suppliers and new distributors. Bring your associates to share new ideas, discuss difficult applications and network with peers in the same industry. Do not miss this opportunity to visit Hamilton's only local display of measurement and control technology in a 1 day exposition.

FREE admission, FREE parking, FREE lunch & plenty of Door Prizes.

FUN for all attendees!

There are still some exhibitor spaces available. For more information see our web site <http://www.isahamilton.com/> or contact Alice Kelly at isahamilton@cogeco.ca or fax 905-319-7109

The Instrumentation, Systems & Automation Society – “**Setting the Standard for Automation**”

Meetings and Events (continued...)

Future Member Meeting:

Date:	Tuesday – February 28, 2006
Topic:	Unique Coriolis Flowmeter Geometry Improves Flowmeter Performance
Abstract:	A unique geometry has been employed to improve Coriolis flowmeter performance. A rigid box isolation technique utilizing a double box, or "Box in Box," construction provides dual mode mechanical isolation yielding better zero stability. In addition, sensing tube design and drive techniques have been optimized to allow deployment of thicker walled tubes. This provides added safety, higher operating pressures, and better immunity to gas entrainment errors. The drive frequency has been selected to reduce the effects of "cross talk" while minimizing slurry separation or damage to sensitive biological processes. The self-draining tube geometry provides for full sanitary compliance.
Speaker:	<p>Hoag Ostling is Chief Application Engineer for Field Instruments at Yokogawa Corporation of America, Newnan, GA. He has over 25 years of experience in all areas of process control instrumentation including research, design, manufacturing, and application.</p> <p>Mr. Ostling was a charter member of the HART Foundation, and an active participant in the development of Foundation Fieldbus device descriptions. Mr. Ostling previously held positions with Dow Chemical and Micro Motion Inc., as application engineer and instrumentation engineer. He began his career in process control instrumentation after receiving a BS degree in Mechanical Engineering from Clemson University.</p>

A great opportunity to meet & network with instrumentation & automation professionals

5th Annual ISA Hamilton Golf Tournament

Date: Friday May 26, 2006
Location: Chippewa Golf Course
Format: Shotgun Start at: 10:30 AM
 4-Person Team - Scramble Format
 (Individual or Team entries accepted)
Price: \$ 95.00 per person
 Per person price includes:
 -Golf Cart, Prize & Steak Dinner, salads, & desserts
Payment: Make your cheque(s) payable to ISA Hamilton Section Inc. Fees (in full) must be paid and received by Friday - April 21 2006

Corporate Sponsorships are available at a cost of:
 \$100.00 when purchased separately or
 \$ 70.00 as part of a corporate foursome package price at \$450.00
 A corporate sponsorship includes your company logo/name on a sign posted at a designated tee.

ISA Web Site advertising special is \$25 for 1 year with this package price. Your company name will be posted on the ISA web site with a link to your web site.

See our web site for more details. <http://www.isahamilton.com/>

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