



## Summer Newsletter 2011

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### Upcoming Events

- Tues, Sept 27 ..... **ISA Hamilton Members Meeting**  
“Stress Management – at work and at home”  
Speaker: Mr Roland Gelhard, ABB Canada  
ABB Canada, 3450 Harvester Road, Burlington

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Kenneth Hamilton

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## 1. Outgoing President's Message

Another ISA Hamilton season has drawn to a close. Once again we accomplished the goals that we set for ourselves early in the year and expect to do the same in 2012. We had a good series of dinner meetings which included a tour of a water plant (tours are always a hit!), and a number of enjoyable technical and enlightening talks. They ranged on everything from energy management to the Modernization of a Municipal Waterworks with SCADA Standardization. Our 2011 EXPO in March was another big success. Keep an eye out for our flyer for EXPO 2012 booked for Tuesday, March 20, 2012. Our 10<sup>th</sup> Annual Golf Tournament went off like clockwork, despite the threat of rain and sub 15 degree temperatures (remember May????). It's difficult to believe that only a couple of months ago we were looking to warm up “after” a game of golf!

Our first dinner meeting is slated for Tuesday, September 27 and will be held at the ABB offices in Burlington. Watch for details which will follow shortly. Our Membership certainly appreciates the sponsors and vendors that present and help us with these meetings. Should you have any thoughts or ideas for a meeting, or have an emerging technology that you feel would interest our membership, please let any of our executive know. We would welcome any new suggestions.

Of course, none of this would be possible without the dedication and hard work of our terrific group of executives that continue to make things happen. The Section and its activities would not thrive as it does without the enthusiasm of this great medley of individuals. My hat goes off to each and every one of you – I feel honoured to have been able to serve as President this past year especially with such a great supporting team to carry me along.

I would like to re-introduce you to Ken Hamilton who has taken over the reigns as Section President as of July 1. Many of you know Ken from his past endeavours including Hamilton Section President and his term as District 13 Vice President. Ken has always stayed closely involved with the Hamilton Section and the Society, even during his 2 year stint in China a few years back. Ken's knowledge both of our industry and within the Society is a benefit to all.

Please enjoy the rest of the summer with your families and colleagues; we look forward to seeing everyone again in September.

Sincerely,

Jerry Gelata  
Past President, ISA Hamilton Section

## 2. Incoming President's Message

Being a long time member of ISA and in particular ISA Hamilton Section, including involvement on the Executive Boards both at a local and Society level, I am aware of many of the challenges in staying current in the automation industry, and the benefits of ISA membership. I believe our diverse membership and the contributions arising from that diversity is one of the principle resources available through ISA participation.

Long time ISA members are cognizant of membership benefits, encompassing networking opportunities at local, national and international levels, informative and timely awareness on new industry directions, and thoughtful substantive standards and practices designed to align and interface the many disciplines involved in the automation profession.

Newer members often avail themselves of these resources as they endeavour to build their careers and enhance their professional standing in the automation instrumentation community.

As ISA Hamilton Section begins this new season, I am pleased to be able to work with an excellent new Executive Board blending a track record of reliable past performance with new additions and new ideas, as shown on our updated Executive Board listing on the web site. In addition to planning our membership meetings and the major events as we have done in the past,

I am looking forward to exploring some new avenues for connecting and staying in touch with our membership, many of whom have embraced the Social Media tools available through the internet as a means of creating and continuing dialogue of ideas new and old and disseminating information. Several of these proven tools are recognized as a valuable means in keeping up to date with new developments, and facilitating changes in direction and services beneficial to the membership at large, enhancing the membership experience for all.

As part of our summer planning meetings our new ISA Hamilton Section Executive Board has discussed how we may utilize Social Media to best interact with our members. ***I encourage you all to contribute your ideas, preferences, or concerns regarding the use of this media to the Board using the contact information on the Board listing on our web site.***

Please join me in thanking our outgoing Executive Board for their time, effort, and willing participation in providing a very successful past season for our ISA Section.

Best Regards,  
Kenneth Hamilton  
President 2011-2012, ISA Hamilton Section

## 3. September Members Meeting

For the Tuesday, Sept 27, 2011 members meeting our guest speaker will be Roland Gelhard, the Health & Safety Advisor (Eastern Region) for ABB Canada. Roland will be presenting a thoughtful and humorous talk about Stress Management, and how stress is a part of everyone's life that must be managed. Roland writes:

*"Over the past several decades we've certainly become a much faster paced society where (constant) change is almost always the norm. Increasing demands & pressures in the workplace coupled with requirements in our personal lives have increased stress levels to alarming levels. This presentation will cover the following key areas:*

- *Fundamentals of Stress*
- *Responses to Stress*
- *Occupational Stress*
- *Stress Reduction Techniques"*

Please join us in the Canada Room at ABB Canada, 3450 Harvester Road, Burlington, Ontario at 6:00PM on Tues, Sept 27, 2011. Dinner is included at this event. There is no cost to attend but please please RSVP beforehand by contacting our program coordinator Jerry Gelata at [program@isahamilton.com](mailto:program@isahamilton.com)

## 4. ISA Hamilton Expo – Save the Date

Make sure to save the date for the 2012 ISA Hamilton Expo. This year's expo will be held on Tuesday, March 20, 2012 and will feature a trade show, seminars and exhibits. For more information about this event or to book your exhibit space, please contact our Expo Coordinator Alice Kelly at [expo@isahamilton.com](mailto:expo@isahamilton.com)

**SAVE THE DATE**

**ISA Hamilton**

**EXPO 2012**

**Instrumentation & Process Technology  
Exhibition & Conference**

**TUESDAY, MARCH 20, 2012**

Trade Show, Seminars, and Exhibits

Royal Botanical Gardens  
680 Plains Road West  
Burlington, Ontario

## 5. ISA Hamilton Member Report from 2011 ISA Water & Wastewater and Automatic Controls Symposium



ISA Hamilton section member Matt Phillips recently attended the 6<sup>th</sup> Annual ISA Water/Wastewater and Automatic Controls Symposium that was held in St. Louis, Missouri on June 22-23, 2011. At the symposium he co-presented a paper "Modernization of a Municipal Waterworks using SCADA Standardization: Past, Present and Planning for the Future" with fellow ISA Hamilton member Graham Nasby. Matt Phillips is the Water Security Coordinator (SCADA) for the City of Guelph's Water Services Department. Matt has kindly agreed to share his thoughts on what it was like to attend an ISA technical symposium.

"The 2011 ISA Water & Wastewater Symposium in St. Louis was a great experience. It was refreshing to attend a conference where everyone had the same automation & controls perspective and spoke the same 'language'.

As my first chance to present at a conference it was great to share my work experience and lessons learned with others. Large or small systems whether near or across the continent, we all have similar stories to share and solutions that have wider application than many realize. This became abundantly clear to me during the presentations.

We all like to think of our own water systems as unique and special. While that's true in many respects, in terms of the challenges we face as water/wastewater automation professionals we have a lot more in common than we have differences no matter where we're from.

I'd like to encourage anyone who has the chance to attend the next symposium – whether as an attendee or a presenter – and get a fresh perspective on the issues you face every day. Maybe even share your experience with others. You'll be glad you did."

## 6. CPECN Show on Nov 17, 2011

The Canadian Process Equipment & Control News will be holding their annual show on Tues, Nov 17, 2011 at the Mississauga Convention Centre, 75 Derry Road West, Mississauga, ON. Show hours are 10AM to 5PM. For more information visit [www.cpecn.com](http://www.cpecn.com) or call (905) 564-1920.



## 7. ISA District 13 (Eastern Canada): District Leadership Conference Report

Each spring, the volunteer executives from the five local ISA sections in Eastern Canada (District 13) get together for a weekend District Leadership Conference. Referred to as the DLC, this event is chance for the executives from across our district to get to know each other, collaborate for event planning, attend leadership development workshops, and conduct the district's annual business meeting.

This year the District 13 DLC was hosted by the ISA Toronto Section and took place in Vaughn, Ontario on April 30 to May 1, 2011. The event was well attended and included good representation from each of our district's five sections. Total attendance was 28 individuals, with a section by section breakdown as follows: 9 from Toronto, 9 from Hamilton, 5 from Montreal, 3 from Sarnia, and 1 from Saguenay Lac St. Jean. Special thanks to our colleagues from the Montreal and Saguenay Lac St. Jean sections for making the long journey to Ontario. We were also fortunate that one of our friends from the Edmonton section was in the area and was able to join us as well.

One of the unique features of the ISA as an organization is that it actively promotes leadership development among its members. When a volunteer steps forward to help out with their local section, there are support structures and programs in place so that they will have a smooth and enjoyable time in their role. Having DLCs is just one of the many things that the ISA does to promote leadership development for both its new and seasoned members.

In District 13, a lot of time and planning goes into the development of the DLC. The event typically starts with a get together on the Friday night followed by two full days of seminars and meetings. The Saturday consists of workshops run by individual section members on a variety of topics – this is the leadership development day. The Sunday is used for the business meetings such as coordinating section programming, reviewing the success of Section Expos, and the district's annual general meeting.

The workshops that were presented as part of the Saturday program at this year's DLC included:

- ISA Leadership – Learn, Develop and Share  
Andre Michel, ISA Montreal Section
- ISA Social Media, Marketing and Collaboration Tools  
Ryan Kershaw, ISA Toronto Section

- Membership, Recruitment and Best Practice Marketing  
Kalpen Vachharajani, ISA Sarnia Section
- FIRST Lego League Canada, Introduction & ISA Collaborations  
Blair MacKenzie, FIRST Lego League Canada  
(more info: [www.fllcanada.org](http://www.fllcanada.org))
- ISA Today and Tomorrow  
Ian Verhappen, ISA Executive Board Member & ISA Edmonton Section member
- Governance Restructure Task Force Update & District 13 Feedback Session  
Ian Verhappen, ISA Department Board Chair & ISA Edmonton Section member
- Effective Executive Board & Planning Meetings  
Bob Popek, ISA Hamilton Section
- ISA Insights Workshop: Developing a District 13 "ISA Insights Spotlight Q&A" article  
Graham Nasby, ISA Hamilton Section
- Test your ISA IQ  
Michael Bovenkamp, ISA District 13 Vice-President & ISA Hamilton Section member

The Sunday was also a busy day with a packed agenda for the District 13 Council Meeting. Topics discussed included items such as annual reports from each of the district's sections, the annual review of the district's business plan, membership statistics and trends, the selection of nominators/delegates for the upcoming SLM/FLM meetings, and welcoming our new District Vice President Elect Antonio Alves from the ISA Montreal Section. Special thanks to all Section presidents for their PowerPoint presentations highlighting the events and accomplishments of their individual sections.



ISA District 13 (Eastern Canada) District Leadership Conference group photo – May 1, 2011

A big thank you goes to Mike Bovenkamp, Ron Poirier, Ryan Kershaw and the rest of the ISA Toronto Section, as well as our speakers, for organizing yet another successful District 13 DLC. The upcoming 2012 DLC is scheduled to be hosted by the ISA Sarnia Section in May 2012.

## 8. ISA Automation Week – Oct 17-20, 2011

Our friends at ISA headquarters are pleased to announce that they have released the Advance Program for ISA Automation Week: Technology and Solutions Event. Special thanks to Greg McMillan and the other members of the program committee for coordinating this year's technical program.

This annual, international conference will take place 17-20 October 2011 at the Arthur R. Outlaw Convention Center in Mobile, Alabama, USA. The Advance Program provides the technical conference overview, as well as:

- Information on keynote speeches by control systems legends Charlie Cutler and Béla Lipták, and a general session featuring a panel of experts who will speak on the future of automation
- Previews of the eight conference tracks: Advanced Process Control Techniques; Analyzers; Automation and Control System Design; Energy; Human Asset Optimization; Installation, Operations and Maintenance; Safety and Security; and Wireless Technology and Applications
- Information on poster sessions and Technology Solutions Theaters
- A listing of participating suppliers
- A preview of Technician Day
- The ISA Fall Training Institute schedule
- Registration options and more

View and download the ISA Automation Week Advance Program at [www.isaautomationweek.com](http://www.isaautomationweek.com). The Advance Program is also in the May/June 2011 issue of InTech.

ISA Automation Week is a technical conference that features three full days of technical sessions; poster sessions; a dedicated Technician Day; an expansive Supplier Showcase; Technology Solutions Theaters on the Supplier Showcase floor offering standards briefings, author briefings and supplier presentations; and networking and social events.

ISA Automation Week Partners include ARC Advisory Group, ExperTune, Georg Fischer Piping Systems, Kepware Technologies, Mitsubishi Electric Automation, and Schneider Electric. ISA Strategic Partner, Test and Measurement is Fluke Corporation. GE Energy, Honeywell Process Solutions and OSIsoft, LLC are ISA Corporate Partners. For more information about the ISA Corporate Partnerships Program, visit [www.isa.org/partners/](http://www.isa.org/partners/)

For more information about ISA Automation Week or to register, visit <http://www.isaautomationweek.org> or call +1 919-549-8411.

## 9. Making the Most of your ISA Membership: Free Web-Access to ISA Technical Papers

By Graham Nasby

*This article is part of a series of articles about taking advantage of the resources and opportunities that come with your ISA membership.*

Looking for ideas for your next automation project? Put your ISA membership to work for you! The ISA has unbiased technical papers written by experts available at your fingertips on the ISA website. As a member benefit, the ISA has over 2500 technical papers that are available free of charge to its members. Simply log in to the ISA website with your login/password, and this vast treasure trove of information awaits.

The technical papers that are available on the ISA website come from a wide variety of ISA sources, and are typically in PDF format. The papers are usually about 6-12 pages long and are written with the practitioner in mind. There are proceedings from the ISA's many symposiums, conferences and special events, such as: IIS, LDAR, AERO, AD, ANALYSIS, AUTOWEST, BIOMED, ETCON, ICON, IMEKO, IMS, INPLANT, INTERKAMA, POWID, SAFETY, SICON, and WWAC. There are both papers and slides from past ISA Automation Weeks and EXPOs, as well as presentations from some local EXPOs as well. Lastly, there are a large number of articles from InTech Magazine, ISA Transactions, and various other affiliated sources. In all, the ISA's technical paper archive has over 2500 papers and is growing every year.

The main benefit to the ISA Technical papers is that they are vendor-neutral, written by experts and are unbiased. ISA Technical papers are peer-reviewed and are carefully written so that they are focused on technical information and not marketing a specific product. This "knowledge first" approach makes the papers a helpful tool when researching ideas for your next automation product. Having ISA technical papers at your fingertips can help you make better design, purchasing, and maintenance decisions when it comes to leveraging your automation resources.

Some examples of technical papers available on the ISA website include:

- A Case History of the Installation of a SCADA System in a 70 year old plant
- A Case Study in Knowledge Engineering: Interactive Electronic Technical Manuals
- A Checklist For Software Reuse
- A Control System Specific Threat and Vulnerability Taxonomy

- A Miniaturized Process Gas Chromatograph – Expanding Process Control by Lowering Cost of Ownership
- A Neurofuzzy Update of PI Controllers for Speed Control of a Turbogas Unit
- A Non-Intrusive System for Monitoring Soot in Aircraft Engine Exhausts
- A Practical and Inexpensive System for Natural Gas Leak Standoff Detection
- A Remotely Operated Shallow-Water Boat for Wireless Data Logging
- A Wrist-Mounted Arterial Pulse Interval and Movement Recording System
- An ISA88 Overview Presented by the WBF
- Analyzer Connectivity – Sharing Data and Results
- Accurate Simplistic Predictive Modeling of Non-Linear Dynamic Process

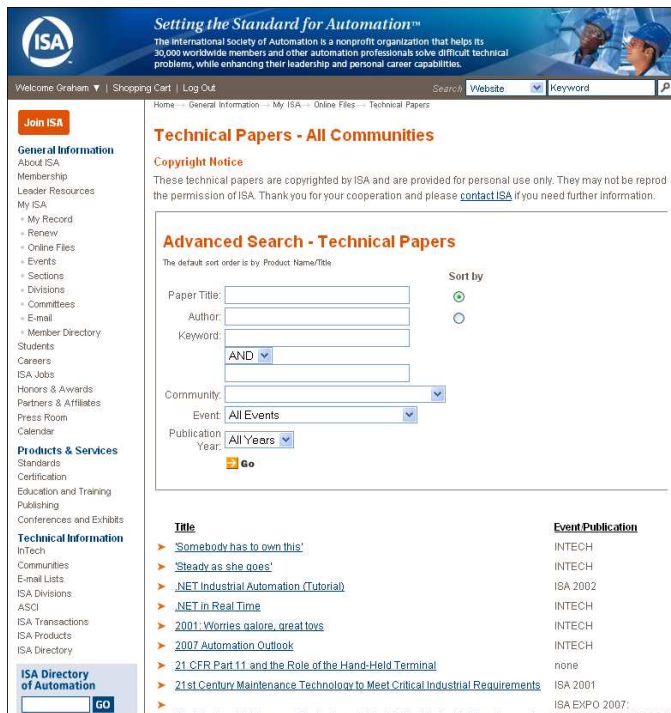
For those of you who have not visited the "My ISA" section of the ISA website, here are a few pointers on how to access the technical papers member benefit:

First point your web browser at <http://www.isa.org> to load the ISA website. Click on the "Login" link near the top left corner and login with your ISA login/password. If you do not have an ISA login/password yet, click on the Login link and follow the "New to ISA" link. You can then set up an ISA web account using your membership card and some information like your mailing address.

Once you have logged in, click on the "My ISA" link on in the menu under "General Information". The "home page" for your ISA membership will now come up; click on the "My Online Files" link. When the next page loads go to the "Technical Papers" section and click on the "Access your free papers now". A new page called "Technical Papers – All Communities" will now appear on your screen.

This "Technical Papers" page on the ISA website consists of two parts. The top part is an "Advanced Search" tool that you can use to search for papers using criteria such as title, author, keyword and year. The bottom part has two functions: the first when the page is initially loaded it lists a small selection of papers that are available, the second is to display the "search results" from the advanced search tool on to the top of the screen. Using this tool will allow you to search, sort and view all of the technical papers available on the ISA website.

*Continued on next page*



Being able to download and view ISA technical papers for free on the ISA website is just one of the many benefits that come with ISA membership. This article is part of a series in the ISA Hamilton Section newsletter about ISA membership benefits and how you can take advantage of them. There is a reason that the ISA is the largest organization for Automation Professionals and it's not just for the shiny membership card. Make the most of your ISA membership—you won't regret it.

**NEXT ISSUE:** ISA Symposiums: Annual Conferences on Specific Industries and Technologies

### 10. Member Meetings: Call for Speakers

As a service to its members, the ISA Hamilton section holds monthly membership meetings. The meetings consist of dinner and a speaker. The meetings generally start at 6:00pm, followed by a 45 minute seminar that begins at 6:30pm.

Meetings are open both members and non-members of the ISA. Pre-registration is required so that we know how many dinners to order. Please see our website for the meeting schedule.

We are currently seeking speakers for several of our upcoming membership meetings. We ask that presentations be non-commercial in nature. The goal of the member meeting presentations is to present technical topics of interest to our members – not sales presentations. We do accept vendor presentations provided that they are geared towards general technical

knowledge and not specific product lines. We have had many excellent vendor-provided presentations in the past, and we look forward to many more.

Please visit our website to see what meeting presentation slots are available. Feel free to contact us if you are interested in sharing your knowledge with your fellow automation professionals through our membership meetings program. We look forward to seeing you at our next meeting.

### 11. ISA Hamilton Section Contacts

For more information about ISA membership, the ISA Hamilton section or the upcoming section events, please do not hesitate to contact any one of us. (Note: Email addresses are @isahamilton.com)

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