



OUTLOOK

ISA Hamilton Section Newsletter

Fall Issue – September/October 2005

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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 Mark Panchaud who is the President and co-owner of Power Protector Inc.

Topic: **Power Protection for Electronic Equipment**
 Date: **Tuesday - October 18, 2005**
 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>. We look forward to seeing you there.

President's Message

Dear fellow ISA Members,

The kids are back to school, the nights are getting cooler (not that many yet mind you), and generally speaking, activity levels are up which means summer must almost be over. And yes – this also means that ISA Hamilton is back at it as well. We have a busy schedule already being planned again for the 2005/6 season. Starting with four member meeting presentations that have already been booked and the first one slated for the month of September it plans to be a full schedule.

Our EXPO has been set for Tuesday, March 21, 2006 at the Royal Botanical Gardens in Burlington, and with the feedback we received from last year's show; we expect this one to be just as successful, and even a little better.

And yes – it's never too early to talk about our Golf Tournament which will take place in May of next year. We hope to see you all at one or more of these ISA Hamilton Section events throughout this season, and if you happen to have an inkling to join in, we can always use some assistance.

One thing that any not for profit organization needs is volunteers to make things happen. Our executives are relentless in their efforts to keep everything running smoothly, which benefits us all. I'd just like to say a heartfelt "thank-you" to you all, who are striving to make this year better than ever.

Sincerely yours
Jerry Gelata - President, ISA Hamilton Section

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Message from the Education Chair

Electronic Testing Soon Available for Certification Exams

ISA certification exams have typically been given four times a year at selected test sites, as well as at certain ISA conferences and events. Beginning in 2006, all of the certification exams administered by ISA will be available electronically through a network of global test centers in a proctored environment.

Please note, there will be no public exam dates scheduled in 2006; however, there will be much more flexibility of dates and locations for candidates within the global network. Check isahamilton.com or isa.org for further updates and information regarding this issue.

After 31 December 2005 ISA certification exams will become closed book. No reference material will be allowed in the exam room or test center whether the exam is administered electronically or paper and pencil. This will help ISA ensure the validity and security of our certification exams as we offer them globally and to many more candidates.

Possible Certified Automation Professional (CAP) Training Course to be Offered

Specially developed ½ day training seminars that will overview the CAP program and the exam for prospective CAP's is in the works. This seminar is being offered free of charge, to ISA sections that request it and can fulfill the applicable requirements. In order to pursue this opportunity the ISA Hamilton Section is looking for interested parties who intend on participating in the CAP program and/or preparing for an upcoming CAP Certification exam. Please contact bernyjr@cogeco.ca or isahamilton.com
An outline of the CAP seminar is provided below.

½ Day CAP Review Seminar Outline

1. CAP basics
 - CAP Objectives and Benefits
 - Scope
 - Requirements
 - Relationship to other certifications
 - Job Analysis and technical content
 - Exam characteristics
2. Job Analysis
 - Domains
 - Tasks
 - Domains follow project phases
3. Technical Content
 - Technical Categories
 - Category I - Basic continuous control
 - Category II - Basic discrete, sequencing, and machinery control
 - Category III - Advanced control
 - Category IV - Reliability, safety, and electrical
 - Category V - Integration and Software
 - Category VI - Deployment and maintenance
 - Category VII - Work structure
4. Applying for the CAP Exam
5. Exam discussion
 - Types of questions
 - How to prepare
 - Exam tips

Yours Truly,
Berny Portolesi - Education Chair - ISA Hamilton Section

ISA & CSA Standards

A Special Report by Berny Portolesi – Education Chair

Update on the ISA – CSA Relationship

As mentioned in the summer issue of Outlook, an opportunity for CSA to further endorse and adopt ISA established standards and guidelines for Instrumentation, Process Control and Automation has presented itself. ISA Hamilton has contacted CSA with regard to the avenue of presentation that is necessary to begin these talks. The Standards Council of Canada (SCC), has also been contacted and an inquiry has been made regarding the requirements necessary for recognizing ISA as a Standards Development Organization (SDO) here in Canada.

The inquiry to CSA and the SCC comes from the intentions of further establishing ISA's presence here in Ontario, as well as cementing its place in the industrial world of Instrumentation and Automation standards. This will be a long process, but if successful, ISA will be viewed as an equal to CSA as a developing body, and recognized along side of only four other organizations here in Canada who own the distinction of being a Standards Developing Organization. The ISA Hamilton Section will be presenting this proposal to the ISA executive at the October ISA President's Meeting in Chicago. We will let you know how it turns out.

Message from the Program Chair

We had a great member meeting on September 27 at the Pinetree restaurant. The turn out was excellent. Our speaker Peter Taylor of BHD Instrumentation had us tuned in to the end. His presentation on Thermal Imaging for Electrical and Mechanical Predictive Maintenance was very well received. There was a great deal of audience participation and I would especially like to thank Peter and industry expert Al Hines of Dofasco who was in the audience for sharing their valued experience on this subject.

We have a varied line up of topics for the new season and I hope to see more people out to our next member meeting in October. See the last page for details on this member meeting or visit our web site.

Jack Vincent – ISA Hamilton – Program Chair

Meetings and Events

Future Events:

<p>E-mail isahamilton@cogeco.ca</p> <p>Fax (905) 319-7109</p> <p>Web Site http://www.isahamilton.com</p> <p>Mail ISA Hamilton Section Inc. 2243 Melissa Crescent Burlington, ON L7P 3T4</p>	<p>ISA Hamilton EXPO Tuesday March 21, 2006 For more information see our web site or contact: Alice Kelly at isahamilton@cogeco.ca or fax 905-319-7109</p> <p>ISA Hamilton Golf Tournament Date: Friday May 26, 2006 Location: Chippewa Golf Course</p> <p>Once again we will be hosting the annual ISA Hamilton Section Golf Tournament at Chippewa Golf Course. I hope to see all our ISA friends out again for a fun time that was enjoyed by over 100 golfers last year. Bob Popek – Golf Chairperson</p> <p>See our web site for more details.</p>	
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Meetings and Events (continued...)

Future Member Meetings:

Date:	Tuesday - October 18, 2005	A great opportunity to meet & network with instrumentation & automation professionals
Topic:	Power Protection for Electronic Equipment	
Abstract:	As computers and other electronic equipment become more sophisticated with more power being packed into smaller places the sensitive electronic components become more susceptible to poor quality power. Lightning strikes and day long blackouts bring to the forefront the need for quality power protection. But it is the every day nuisance power problems that will in the long run create more headaches and damage to your systems. Air Conditioners, Arc Welders, pumps, photocopiers, Laser Printers, computers and other electronic devices can create enough "noise" to disrupt and degrade your electronic equipment. This seminar will focus on the common power quality issues experienced by electronic equipment in today's business environment. We will discuss solutions to the problems and how each solution plays a role in your businesses uptime. We will discuss the advantages and disadvantages of devices such as surge suppressors, power conditioners, voltage regulators, Uninterruptible Power Supplies, Harmonics Mitigation Transformers etc.	
Speaker:	Mark Panchaud is President and co-owner of Power Protector Inc. which is a wholesale distributor of power quality solutions from such companies as Eaton/Powerware, Powervar, Cylux, Analytic, Sterling, C-Can and International Power Systems. Power Protector Inc. was established in 1989 and Mark has had 15 + years of identifying and offering solutions for power problems experienced by sensitive electronic equipment in the field. Tailored to the customer's needs, we provide a full range of service and support functions. Equipped with diagnostic instruments we focus upon identifying Power Contamination, Harmonics Issues, Voltage Irregularities, Wiring Faults, Communication Problems, and Safety Issues.	
Date:	Tuesday - November 29, 2005	
Topic:	Manufacturing / Business Intelligence	
Speaker:	tba	
Abstract:	Factelligence Industrial Portal Microsoft .NET in Manufacturing combines manufacturing and process data, into a single viewing and execution portal, providing unified data collection, execution, reporting, analysis and dashboards to the whole enterprise. Creates a real-time, web centric information system to enhance factory floor and supply chain visibility. Provides Key Performance Indicators (KPI's) to all levels within an organization on product quality, production tracking, downtime/OEE & utilization, labor tracking, and connectivity and visibility of other databases (SQL, Oracle, MS Access etc..) and data sources (HMI/SCADA, OPC, etc..) within you're organization using one single common viewer.	
Time:	6:00PM Dinner (\$5 members & \$15 for non-members) 7:00PM Meeting	
Venue:	Pinetree Restaurant @ 397 Centennial Parkway North, Hamilton , Ont. (For a map see our web site at http://www.isahamilton.com/)	