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Happy New Year!

Winter 2008/2009

Upcoming Events

- ◆ Visual Basic Course with hands on training—a 4 day intensive event first week of May
- ◆ Student Robot Challenge, Students are given a standard pack of root parts and controls and are challenged to come up with a machine that will do something novel and useful.

Website: www.isatoronto.org Email: office@isatoronto.org L.Salemi

Greetings from the 2008 ISA Toronto Section President



I am enjoying my term as President of the Toronto Section of the ISA for the 2008/9 year. I have been a member of the ISA for more than 30 years and have served on various committees when I was living in Calgary in the early 80s. I am fortunate to be following in the foot steps of Glen Doole who served for a great term as president last year and was very instrumental

in leading us along the path of building the Toronto ISA Section. Glen along with our recent past presidents and the Executive Team, consisting of a number of long time members, have kept us afloat and growing back to a strong section with their dedicated hard work. My goal for this year is to continue this momentum.

During summer meeting last summer we reviewed our progress of last year and established our on-going goals for this year, 2008/9. The following is a brief review of some of last year's activities and those for the coming year. I hope you will mark your calendar and will be able to join us often.

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Monthly Dinner Meetings – Our dinner meetings are last Thursday of every month from September to May, except December. Last year we had a great slate of speakers and this year we have an excellent selection of speaks booked through to May. The this year's schedule is on the last page of the newsletter. If you are interested in speaking at a future dinner meeting please let us know or send an email to office@isatoronto.org.

ISA Toronto Section Golf Tournament – We had our second annual golf tournament this summer on Aug. 22. and it was another great success, we had 12 four-somes. We are already planning next summer's tournament—tentative date, Aug. 21/09. We will let you know as soon as the date is confirmed. It is a great opportunity to meet your ISA colleagues and we are planning for bigger and better next summer. I wish to express thanks to Ron Poirier for organizing the great golf tournaments.

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Toronto ISA Guide to Automation Technology – The Toronto ISA guide (Instrumentation Directory) was published last year for the first time after a few years. It was a large task with many challenges, but we learned a lot to go forward. We hope to publish a new guide for 2010. There will be more details in an upcoming newsletter if you wish to contribute or advertise.

Education & Training – Last year was very busy for ISA Training. We put on a number of instrumentation courses, especially for industry and municipalities. Thanks to Leo Salemi for organizing many of these courses. Len Klochek is the Education Committee Chair again this year and is currently planning a Visual Basic (VB) course this year (see next page for details.) Details of this and other courses will appear in up coming newsletters and on the Toronto ISA Section website: www.isatoronto.org Leo and Len are also continuing the student robot competition again this year. Last year was a good start and things are progress well for the program this year. The competition this year will be held on March 26 /09. We hope to have a visit from the student competitors at our monthly dinner meeting that evening.

Website & In The Loop Newsletter – We wish to extend thanks to Leo Salemi for his significant contribution to the ISA Toronto Section with his untiring efforts as Webmaster for the Toronto ISA website and Editor of our newsletter amongst many other items. We would like to continue to produce a hard copy of the newsletter but we need some companies to help sponsor the cost of producing and mailing the newsletter. Companies who sponsor an edition of the newsletter have the opportunity to include their information with the mailing. We would like to encourage all members to supply or recommend technical papers that can be published in our newsletter. Let us know if you would like to submit an article or are interested in sponsoring an edition: office@isatoronto.org

Also don't forget to frequently check the Toronto ISA Section website for updates of monthly dinner meetings training courses, links and other useful information.

Jack Kavanagh – On Monday Sept. 21, we learned of the passing of Jack Kavanagh. Jack was a Past President and tireless volunteer for ISA Toronto Section. He was "instrumental" in recruiting many volunteers for the Executive Committee of ISA Toronto. He was a dedicated task master for ISA who was difficult to say no to if he believed a volunteer could contribute to ISA. Jack's energy and enthusiasm will be missed.

Finally – We hope to see you out at our meetings and other events often. Remember the ISA Toronto Section exists to bring value to the local Instrumentation, Automation and Control Systems community – this includes YOU! So please help us, help you... Come out and support us, learn and share your knowledge with your peers and please consider volunteering to participate on our committees.

Hope to see you and speak with you at one of our dinner meetings. Looking forward to a great year for all of us.

Currie Gardner, P.Eng.
 Toronto ISA Section President 2008/9

Why Join the ISA?

The ISA is your best source of up to date information on the latest technologies, standards and trends. The complimentary Intech magazine alone is worth the cost of your membership.

Added to that, the Toronto Section offers monthly membership meetings with speakers and topics that are not only topical, but often very entertaining as well. These meetings offer you a great chance to network with others in your profession.

Name Change!

ISA has changed the name of the society from Instrument Systems and Automation to International Society of Automation. www.isa.org

2008-2009 Executive Committee

Section Officers

President— Currie Gardner
President Elect— Marvin Greenberg
Vice President— Dennis Phair
Treasurer— Hank Rasanen
Secretary— Leo SaLemi
Rules Advisor— Doug Norton
Delegate—Glen Doole
Past Presidents— Glen Doole
 Reynold Ramdial
 Doug Norton

Committee Chairs

Education— Len Klochek
Programs—
Directory—
Exhibits—
Membership— Silviu Leon
Marketing— Louise Jones
Webmaster—Leo SaLemi
Newsletter Editor—Leo SaLemi
Historian—Stan Weiss
Honors&Awards—Hank Rasanen
Student Liaison—Len Klochek

**Faculty of Applied Science
And Engineering Technology Announces:**

**A Degree Program for Control and
Instrument Professionals:**

Bachelor of Applied Technology Control Systems Technology

The degree program, offered in the Fall of 2009 will be the natural progression of the Control Systems Technology Diploma program presently offered at the college.

Connectivity, information and convergence have become the fundamental characteristics of modern technology. Product life cycles have been reduced from years to months in response to the pressures of global market forces. In order to meet these demands industry has moved to a cross-functional technology team model. This program, designed in consultation with industry, presents students with the opportunity to enter the emerging telecontrol distributed systems industry by providing both contemporary and traditional control systems applied science in the context of three fundamental platform technologies: networking and communications, software engineering, and, control systems digital and analog electronics. Students will use industry standard software and hardware tools and apply these tools to current industrial design methodology. The program emphasizes critical thinking, team building and generic skills to ensure graduates can function effectively as part of the technology team. Concepts are explained in depth from a theoretical approach



ISA 2009 Training Highlight!

(First week of May)

Date to be confirmed later

**This course will be offered at the
Seneca College Newnham Campus**
(Finch west of the Don Valley Parkway
Highway 404)

***The 4 day course will begin with the
fundamental concepts of Visual Basic 6
Programming including:***

- ◆ Event Driven Concepts
- ◆ Tool Box Controls
- ◆ Object Properties and Methods

You will learn to:

- ◆ Create a trend recorder and analog gauge to display analog signals in real time
- ◆ Call Dynamic Link Library (DLL) functions
- ◆ Program the PID control algorithm and use it to control a thermal chamber's temperature

Contact Len Klochek for details:
len.klochek@senecac.on.ca

Tough times in the economy may lead to opportunities for the con- trols industry.

When time get tough, companies often look for ways to streamline operations, and this includes the optimization of productivity. Automation of areas that were thought to be fine in good times because of the "if it is ok, don't tinker with it" philosophy may now be considered candidates for another look. Those companies that are not moving work offshore, have to become more competitive, if not with cost the certainly with quality and delivery. More than likely they will have to accomplish all three benchmarks. As labour becomes ever less of a factor in the product, then quality and delivery become important factors. The better the quality, the less the scrap and inherent costs associated with rework, inspection and scrap. Small things, like the measurement of down time, the time that a work-center spends waiting for material can all be important indicators of how well a company is being managed. These are all items that can be measured and reported on to assist management in becoming more competitive.



Monthly Dinner Meetings

The Toronto Section is pleased to present the monthly dinner meetings for the new year. The Toronto Section Executive endeavors to make The Society meaningful and educational for all members. But it can only do so with your involvement. We are always on the lookout for members that can help us in making this the best section in the ISA.

How Things Work

Let us know if you ...
Have a topic you want presented or are interested in presenting one yourself? Send your feedback to: office@isatoronto.org

March 26	Brent O'Connor	Variable Speed Drives (VFD)	Davis Controls
April 30	Frank Farkas/Randy Davis	Thermal Mass Flow	SPD /Kurz
May 28	Reynold Ramdial	Buses	Industrial Technivcal Services
June 13	Dennis Phair	Presidents Summer Meeting	2009 & 2010 Strategy Meeting

PROCESS & AUTOMATION SHOWS — CPECN — April 16 /09

We will have ISA speakers at this years CPECN show on April 16/09 at the Mississauga Convention Centre, 75 Derry Road West in Mississauga — 10:00 am—5:00 pm see www.cpecn.com for details.

Call for members to volunteer!

As our chapter grows, and the executive takes on new challenges, there is always a gap between what we want to accomplish and what we can do with the people that are there to do the tasks. Many of us have been on the executive for years. But there is always room for more of you. We have a very enjoyable time of it, meeting one extra evening per month to plan and exchange ideas. Sometimes there are some things that require a bit effort such as getting the Guide published, or putting on the golf tournament. You can be a key player in shaping and expanding your Society. Meet others in the industry, and network like never before. You are urged by your executive to get involved and to contribute what is really a small amount of time. I can guarantee you that you will enjoy it, and it will be rewarding as well. Best regards Doug Norton, Former President and Current Rules Advisor



Glen Doole introducing guest speaker Kevin Martyn



Reynold Ramdial welcoming new section member