



## Contents

Presidents Address...	1
Dinner Meeting Notice...	2
Upcoming Meetings...	2
Technical Information on the Net...	2
ISA Instrument Show Success...	3
January Dinner Meeting Highlights...	3
New ISA Internet Domain...	3
Board of Directors...	4
Membership Application...	4

## Coming Events

- IMI Maintenance & Engineering Expo '99  
April 22, 1999
- Sarnia ISA Golf Tournament  
June 11, 1999



## President's Address

Congratulations are in order to the show committee led by Wayne Wilkens. Wayne and his committee organized an outstanding Sarnia Section table top display. All booths were sold out and all the vendors and participants that I spoke with had only positive comments. Our District 13 Vice President, Ken Hamilton, and Hank Rasanen, our District Vice President Elect, were also in attendance. It's always a pleasure to have ISA District representation, as it embellishes all the hard work and effort put into a showcase performance.

I just recently returned from the President's Winter Meeting where one of the clear theme's was "Globalization". We worked on a new mission statement with it's goals led by a professional facilitator, Bob Treadway. We also heard a career strategist, Marilyn Moats Kennedy, do a presentation on "Anticipating Change: A Look at the Demographics of the Emerging Workforce". We heard another of the Rimbach lectures presented by Professor Bert Breur on Global Aspects of the 21st Century Mobility, dealing with vehicle configurations, ecological steward-

ship and developing nations.

The following are some of the general topics discussed: redistricting (to be a more global society); contracts with sections; ISA on-line roll out; new member promotions; section reports; how to revoke the charters of inactive sections and discuss ways to further improve the district workshops so they are of more value to members.

The society also held a retirement party for Glen Harvey. After thirty-three years, Glen was thanked for his dedication, commitment and perseverance. We wished him well in the next chapter of his life.

Now closer to home, I would like to thank Ron Thurier for taking on the Engineering Week responsibilities. For everyone's information, our golf committee just met for it's kickoff meeting - my how time flies! We've reduced the numbers so sign up early.

Thank you,

Mike Murray



## IMI Expo!

### IMI Maintenance Engineering Expo '99

Thursday, April 22nd, 1999  
Tweedsmuir Ave., Chatham, ON  
11:30 a.m. - 7:30 p.m.

- Free Admission    ► Free Parking
- Free Seminars    ► Door prizes

*Exhibits, Demonstrations and Technical Seminars*

*Refreshments and Door Prizes*

*Anyone responsible for the upkeep or management of any industrial, commercial, institutional, or municipal facility should attend. See what's new and improved for maintenance!*



## Now Available!

The New Sarnia ISA Directory is now available.

Call (519) 332-2300 for details.



The Comprehensive Guide for the Measurement and Control Market

- Products
- Specifications
- Manufacturers
- Sales
- Representatives
- Services
- Technical Handbook

SARNIA SECTION  
ISA Directory of Instrumentation 1999



ISA is the international society for measurement and control®



## Technical Information Available on the Web

The amount of technical information available on the World Wide Web is increasing. There are online magazines, manufacturers web sites, email listservers and product directories. These resources are similar to print magazines, manufacturers support, networking and print directories. The web resources can be faster because of electronic search ability and large number of recipients of email listservers. Electronic information is updated faster and takes less space than paper.

Example listservers are ISA Intech Readers Forum ([www.isa.org/journals/index.html](http://www.isa.org/journals/index.html)) and Control.com Automation List ([www.control.com/alist/index.html](http://www.control.com/alist/index.html)). Recipients subscribe to the listserver and receive all or selected messages that are sent to the listserver. You can send an email message asking a technical question or reply with an answer to someone's request. Some users like to carry on opinionated discussions about controversial topics.

There are many online magazines available, some for free access. The online magazines that are listed here have valuable technical content not just an online advertisement for the printed version. Some of the online magazines require that you login each visit.

The ISA Online website ([www.isa.org](http://www.isa.org)) includes Intech, Industrial Computing and Motion Control magazines. There are articles from issues dating back to January 1996 which can be searched by ISA members.

Control magazine ([www.controlmagazine.com](http://www.controlmagazine.com)) is the online extension of CONTROL, a monthly magazine serving the needs of automation, control, and instrumentation professionals in the process industries. Back issues from February 1996 to the present are available to view and search.

Pumping Up the Future. (<http://www.controlmagazine.com/0199/c0670199.html>) Columbia Gas Streamlined Installation, Operation, and Maintenance Costs by Engineering an Open Control System With Distributed I/O for Its Artemus, Pa., Compressor Station.

Sliding Stem vs Rotary Control. (<http://www.controlmagazine.com/1198/c0551198.html>) Advances in Valve and Actuator Technologies Haven't Yet Completely Overcome the Inherent Characteristics of the Two Main Alternatives.

The Manufacturing.net site ([www.manufacturing.net](http://www.manufacturing.net)) is host to a number of online technical magazines. Control Engineering magazine ([www.manufacturing.net/magazine/ce/](http://www.manufacturing.net/magazine/ce/)) is the online version of the monthly magazine. Back issues from January 1996 to the present are available. Some articles are only available on the online magazine such as: 'Valve characteristics selection guidelines' and 'Understanding control valve bench set'. There are also control and automation tutorials such as: Fundamentals of Process Control and Basics of Proportional-Integral-Derivative Control.



## DINNER MEETING NOTICE

### Monday, March 29, 1999

**SARNIA GOLF & CURLING CLUB**

500 Errol Road West, Sarnia • Phone: (519) 336-2201

Cocktails 6:00 p.m. Dinner 7:00 p.m.

*All Guests are Welcome!*

### Guest Speaker...

**ED TIERNEY, ABB Control Valves**

**"BENEFITS OF STEAM ASSISTED DESUPERHEATING"**

**M • E • N • U**

Caesar Salad

Loin Pork Chops, Vegetable Medley, Baked Potato

Crepe de Menthe Parfait

*\* For special dietary needs contact Hilda White at the Sarnia Golf and Curling Club 48 hours prior to meeting date.*

**NOTE: Kindly book before deadline indication.**

*Please phone in or E-Mail your  
reservation by Thursday, March 25th, 1999  
to Sandi Cooke - Tidball*

**Phone: (519) 481-3211 • E-Mail: [cookets@novachem.com](mailto:cookets@novachem.com)**

**MEMBERS \$10 • GUESTS \$15**

**NOTE: ALL Members and guest are requested to reserve in advance. Please oblige... we need your support to plan your evening!**



## Upcoming Meetings

### Executive Meetings

April 26, 1999

June 28, 1999

August 30, 1999

October 25, 1999

### Dinner Meetings

March 29, 1999

May 31, 1999

September 27, 1999

November 29, 1999

## GET INVOLVED!!!

**"Nominate Yourself for a Position on the ISA Executive."**

Contact Mike Murray: Tel 383-1709 • Fax 339-0841 • e-mail: [mmurray@suncor.com](mailto:mmurray@suncor.com)



# Golf Tournament

*The Fifth Annual*

## ISA SARNIA SECTION GOLF TOURNAMENT

Date: Friday, June 11, 1999

Place: St. Clair Parkway

Cost: \$60.00

Tee Off: 7:30 a.m.

Your Executive wishes to provide a fun day for all members and potential members with our Fifth Annual Golf Tournament. It will be an open invitational and our objective is to have everyone enjoy themselves, whether they happen to be serious or simply a once a year golfer. The tournament will include green fees, dinner and prizes. Start lining up your team partners. More details will be forthcoming as they become available. Mark down the date and let's make this year's tournament a great success.



## ISA January Dinner Meeting

*Rudy Poseika of C.B. Engineering receives a thank you from Aldo DeSantis - Honours and Awards. Thank you Rudy for the excellent presentation.*



*Mrs. Fred Sheane and son Fred Jr. receive the Eckman Education Award from Mike Murray. This was awarded (posthumously) to Fred Sheane for his outstanding contribution to education and training.*



## ISA Show is a Success

The Show Committee is pleased to announce that the 1999 ISA Show was a huge success from both the attendance and exhibitors totals. A big thank you goes to the attendees for your interest and to the exhibitors for your continued support.

I wish to extend my appreciation to the small band of volunteers that made up this year's committee - Marc Bouffard, Brian Patterson, Mike Spearman and Kalpen Vachharajani. Also, to the others who pitched in to help when called upon. What a great job!

Wayne Wilkens, 1999 Show Committee Chairman

Developments in DP Flowmeters ([www.controlmagazine.com/0498/C0560498.html](http://www.controlmagazine.com/0498/C0560498.html)) Improvements in Primary Elements are Keeping Differential Pressure Flowmeters the First Choice for Many Process Applications. This article reviews the theory underlying the use of pressure transmitters to measure flow and examines the advantages and disadvantages of each type of primary element.

Plant Engineering magazine ([www.manufacturing.net/magazine/planteng/](http://www.manufacturing.net/magazine/planteng/)). This magazine sometimes includes articles in the measurement and control field.

Flow Control magazine ([www.flowcontrolnetwork.com](http://www.flowcontrolnetwork.com)) is the online version of the magazine of fluid handling technology. This site also includes a knowledge base library. Searches for products, suppliers and services can be performed. A flow forum allows users to submit electronic questions and answers.

Instrumentation & Control Systems online magazine ([www.icsmagazine.com/](http://www.icsmagazine.com/)) includes articles news and an electronic version of the literature request card.

Connectors and Terminal Blocks: A Technology Update. ([www.icsmagazine.com/1999/9902-Blocks.html](http://www.icsmagazine.com/1999/9902-Blocks.html)). Many connectors and terminal blocks are becoming a lot more high tech-offering a variety of capabilities in a host of extremely flexible designs.

Flowmetering: New and Traditional Solutions Break new Ground. ([www.icsmagazine.com/Pdf/9811icFlow-Page.pdf](http://www.icsmagazine.com/Pdf/9811icFlow-Page.pdf)). Newer flow measurement technologies are expanding their application reach as they become more reliable and less costly.

Some online magazine articles are scanned versions. A popular file format is .pdf. These documents can be viewed using a free program called Adobe ([www.adobe.com](http://www.adobe.com)) Acrobat Reader.

Troubleshooting Instrumentation (<http://www.che.com/ce-9811/html/11cov.htm>) at Chemical Engineering's online magazine. Intelligent selection, installation, maintenance and diagnostics will maximize the return on your instruments.

Visit my magazine web page at: ([www.xcelco.on.ca/~btsmith/magazine.htm](http://www.xcelco.on.ca/~btsmith/magazine.htm)) to see a list of some other online technical and computer magazines.

Many manufacturers and sales representatives have web sites which contain technical information and support. Some have downloadable software.

A list of product directories and manufacturers/suppliers web sites can be found at:

[www.xcelco.on.ca/~btsmith/vendors.htm](http://www.xcelco.on.ca/~btsmith/vendors.htm)

Brian Smith

The Sarnia Section now has a new domain on the internet. Next time you're on the net give us a look at:  
[www.isasarnia.com](http://www.isasarnia.com)





Position	Incumbent	Phone	Fax	E-Mail
President	Mike Murray	383-1709	339-0481	mmurray@suncor.com
Vice-President	Randy Dennie	337-8252 ext. 5871	339-7723 (W) 542-0179 (H)	rjdenn@xcelco.on.ca
Past President / Section Delegate	Andy Tucker	383-3704	383-8285	andy.tucker@ontario.honeywell.com
Treasurer	Jeff Talbot	339-9330	1-888-259-1666	jtalbot@cbeast.com
Assistant Treasurer	Brian Patterson	337-7591	336-0997	bpatterson@peacock.ca
Executive Assistant	Mike Spearman	344-1339	344-3824	m.spearman@wika.ca
Newsletter Chairman	Bob Devine	332-2300	332-6640	bob.devine@frco.com
Newsletter Editor	Rob Thrift	332-0160	344-1186	
Web Master	Brian Smith	332-1212 ext.7920	339-7301	smithb@novachem.com
Program Chairman	Ian Shouldice	383-8044	336-5153	shouldie@ebtech.net
Program Assistant	Jim Dinkel	869-8558	869-2957	dinkeljh@ebtech.net
Honours & Awards Chairman	Aldo DeSantis	344-4300	344-0042	aldo@controvalve.com
Honours & Awards Assistant	Guy Salt	344-4300	344-0042	gsalt@controvalve.com
Membership Chairman	Jennifer Southcombe	337-2301 ext. 480	383-1736	jsouthcombe@suncor.com
Membership Assistant	Glen Williamson	481-3202	481-3336	williaga@novachem.com
Student Section Liaison	Mike Grey	542-7751 ext.308	542-6667	mike.grey@lambton.on.ca
Standards and Practices Chairman	Don Murch	431-1916	431-1127	murch@ebtech.net
Standards and Practices Assistant	Umesh Patel	337-2301 ext.292	383-3678	upatel@suncor.com
Education Chairman	Kalpen Vachharajani	332-1717	332-8715	vachhara@paton.org
ISA Show Committee Chairman	Wayne Wilkins	331-1063	337-8054	summa@idirect.com
Golf Tournament Chairman	Gary Coles	541-2360	541-2394	mvfsar@xcelco.on.ca

## MEMBERSHIP FORM

### INSTRUMENT SOCIETY OF AMERICA

This form may be used by any interested person wanting to join ISA or ISA International, including students. For assistance contact ISA Member & Customer Service at (919) 549-8411.

Please type or use block letters. Sign and date below, in Section 3.

**1** Name ☐ Male ☐ Female Birthdate \_\_\_\_\_  
 Company Name \_\_\_\_\_ Division/Works \_\_\_\_\_  
 Position/Title \_\_\_\_\_ Year of Graduation \_\_\_\_\_  
☐ Check here if you are a full-time student and complete the following: School \_\_\_\_\_  
 Mailing Address: ☐ Home ☐ Work NOTE: Student member applicant, please list permanent home address.  
 Street Address / P.O. Box \_\_\_\_\_ Mail Stop \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Country \_\_\_\_\_  
 State / Province \_\_\_\_\_ Postal Code \_\_\_\_\_ Fax \_\_\_\_\_  
 Telephone (include area code or country/city code) \_\_\_\_\_  
 Have you ever been a member of ISA? ☐ Yes ☐ No Previous years of membership \_\_\_\_\_  
 Assign me to the \_\_\_\_\_ section of the section closest to my home address.  
 Highest Education Degree Earned ☐ High School ☐ Associate ☐ Bachelor ☐ Master ☐ Doctorate  
 Are you a registered professional engineer? ☐ Yes ☐ No State / Country Registered \_\_\_\_\_  
☐ From time to time we may make our mailing list available to companies whose products or services may interest you, please check this box. We will respect your wishes.

**2** NOTE: Sections 2, 3 and 5 must be completed for processing.

**Check your primary job function:**  
 A: General or Corporate Management  
 B: Control Systems Engineering  
 C: Design Engineering  
 D: Production Engineering  
 E: Plant Engineering or Maintenance  
 F: Software Engineering  
 G: Plant Information Systems  
 H: Systems Integration  
 I: Measurement, Testing, Quality or Standards  
 J: Research and Development  
 K: Technical or Engineering Support  
 L: Operations  
 M: Purchasing or Procurement  
 N: Education or Training  
 O: Marketing or Sales  
 P: Other Describe: \_\_\_\_\_

What is the primary end product manufactured or service performed at your company location?  
☐ Check here if no manufacturing is done at this location.

**3** Signature \_\_\_\_\_  
 Date \_\_\_\_\_

**5** Dues Payment Information  
 Please select the level of membership for which applying:  
☐ Regular Member \$65 US (Tax Deductible) \$ \_\_\_\_\_  
☐ Student Member \$9 US (Limited Benefits) \$ \_\_\_\_\_  
☐ Division Membership \$5 US each \$ \_\_\_\_\_  
☐ Industrial Computing Society Membership (reg. \$55) \$30 - must be an ISA Member \$ \_\_\_\_\_  
 TOTAL AMOUNT DUE \$ \_\_\_\_\_  
 Annual ISA dues include a subscription to INTECH, for which a non-deductible allocation of \$8.00 is made for regular members and \$3.50 for student members.  
 NOTE: The following are acceptable for mailing dues payment. Please indicate the method used. Make cheques payable to Instrument Society of America in US Currency only. If paying with international funds, see special note below.  
☐ Check ☐ Money Order ☐ Eurocard ☐ MasterCard ☐ Visa  
☐ American Express ☐ Account# \_\_\_\_\_ Expiry Date \_\_\_\_\_  
**Special Note Regarding Transfer of International Funds**  
 Credit Card Payment is preferred; checks with proper MICR bank encoding must be drawn on your bank's correspondent NY or other US bank. Amount payable to ISA must include any bank or other processing charges.  
 Wire Transfer - Add \$5.00 US for processing. Send to ISA Account #112624, Central Carolina Bank, ABA05510465. Transfer must show applicant's name and address.  
 UNESCO Coupons ☐ Money Order - Add \$5.00 US for processing.  
 Mail completed form and payment to:  
 Instrument Society of America  
 Member & Customer Services  
 P.O. Box 3581  
 Durham, North Carolina 27702  
 USA

**4** DIVISION ENROLLMENT - Also enroll me at \$5.00 each in the Divisions checked below. To join Divisions you must also enroll as a regular or student member.

**Automation & Technology Divisions**  
☐ (A) Robotics ☐ (U) Test Measurement  
☐ (C) Robotics & Expert Systems ☐ (M) Automatic Control Systems  
☐ (D) Computer Technology ☐ (N) Telephony & Communications  
☐ (E) Open Systems Interconnection ☐ (P) Electro-optics  
☐ (H) Process Measurement & Control ☐ (W) Management

**Industries & Sciences Divisions**  
☐ (B) Aerospace Industries ☐ (R) Food & Pharmaceutical Industries  
☐ (F) Mining & Metals ☐ (T) Textile Industry  
☐ (G) Chemical and Petroleum Industries ☐ (V) Automotive & Vehicular  
☐ (K) Construction & Design ☐ (X) Water & Wastewater Industries  
☐ (L) Pulp & Paper Industry ☐ (Y) Glass & Ceramics Industries  
☐ (O) Power Industry ☐ (Z) Marketing & Sales

\*Students are entitled to one free membership each in the Automation & Technology and Industries & Sciences Divisions. Please choose and mark the stipulated selections.