



# DINNER MEETING NOTICE



**MONDAY**  
September 24th, 2001



**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!

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## ANNOUNCEMENT

Vendors are invited to display their products at the Dinner Meetings. 2 tables are available.

Contact Program Committee Don Murch or Glen Fournier. Cost \$50 + GST per table.

## GUEST SPEAKER...

**BOB POTEET**

*Sales and Marketing for DAILY THERMETRICS, Houston, Texas*

*TOPIC: Profiling the Performance of Catalyst Beds using Aerospace Technology*

## M ▶ E ▶ N ▶ U

Salad

Prime rib • Duchess Potato • Green Beans  
Lemon Meringue Pie

*\* 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.**

## ISA Student Competitions

Houston, ISA 2001

This years team is made up of third year students enrolled in Lambton College's ICET program.

Team Members:

Blair Fraiser                      Perry Lawrence  
Joug Barns                        Michele Boucher

Brad McNeill (alternate)

Team members depart on September 8th and returned on September 12th.

*Please phone in or E-Mail your reservation by...  
Thursday, September 20th, 2001 to... MAUREEN LYNAS*

*Phone: (519) 336-3006 • Fax: 344-0607*

*E-Mail: maureen.lynas@willereng.com*

**MEMBERS \$15 ▶ GUESTS \$20**

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

## ISA Upcoming Dinner Meetings

- ▶ September, 24, 2001
- ▶ November 26, 2001
- ▶ January 28, 2002
- ▶ March 25, 2002
- ▶ May 27, 2002

## ISA 2002 Golf Tournament

- ▶ Friday, June 7, 2002

## ISA Sarnia Section ISA Year End Dinner Meeting

*Below: Lakeside Process Controls received the award for their contributions to ISA Sarnia.*



*Above: Our thanks to for Scott Munro for his talk on the environment.*

## ISA Nonincendive Electrical Protection Method

There are a number of protection methods used in hazardous locations to allow electrical equipment to be installed. The equipment used must have been approved for the hazardous location by a certification agency such as CSA, Entela, and others accredited by the Standards Council of Canada ( [www.scc.ca](http://www.scc.ca) ). Some of the protection methods are: Encapsulation, Explosion Proof and Flameproof, Increased Safety, Intrinsic Safety, Nonincendive, Pressurized and Purged. This article is about the Nonincendive method.

ISA dS12.12.01 defines a nonincendive circuit as "a circuit in which any arc or thermal effect produced under normal operating conditions of the equipment is not capable, under the conditions prescribed in this standard, of igniting the specified flammable gas, vapor-in-air mixture, dust, fibers, or flyings." This standard also covers portable battery-powered equipment other than flashlights and lanterns. The European counterpart of nonincendive is called nonsparking which can be used in Zone 2 locations.

The principles involved are based on the low probability of the presence of an explosive gas-air mixture occurring for a substantial period of time in an area classified as Division 2, coincident with an abnormal condition in the electrical equipment capable of igniting the gas mixture.

Nonincendive circuits may not be as safe as Intrinsic safe circuits which allows for two independent faults. Nonincendive circuits can only be used in Class 1 and 2, Division 2 and Class 3, Divisions 1 and 2 hazardous locations.

The advantages of the Nonincendive protection method are: easier and less expensive installation, no special cabling or barriers are needed and equipment can be opened during operation. The disadvantages are: it is not suitable for environments containing dust and it is only applicable in certain hazardous areas.

One advantage is for portable equipment. Today there are many portable devices such as cell phones, pagers, PDA's that could be used in a hazardous environment if a nonincendive approval has been obtained.

### References:

1. ISA S12.12.01-2000, Nonincendive Electrical Equipment for Use in Class 1 and 2, Division 2 and Class 3, Divisions 1 and 2 Hazardous (Classified) Locations.
2. Canadian Electrical Code, CSA C22.1 - 98 and Ontario Amendments adopted as the Electrical Safety Code.



## ISA Membership Application

- JOIN ONLINE TODAY AT [www.isa.org](http://www.isa.org) OR,**
- MAIL** this form to: ISA, PO Box 3561, Durham, NC 27702-3561, USA **OR,**
- FAX** to (919) 549-8288 (credit card required) **OR,**
- CALL** ISA Member & Customer Services at (919) 549-8411

ISA is the international society for measurement and control®

Sponsor Name:

JAMES GALLERY

Sponsor Member No.:

20084286

# ISA President's Message

What is the first sign that the summer is over and the fall months are closing in? The ISA September dinner meeting. I hope that all of you had a pleasant and enjoyable summer.

Your section has been active this summer, beginning with our Golf tournament, which again was a success. I would like to express to the Golf committee, the section's appreciation for making this event a success.

The executive has held a couple of meetings during the summer. Plans are made for our dinner meetings and for some of our year's activities. The Directory committee has made some changes to the directory and the sales are progressing. Again we ask the members if they have some suggestions to offer the committee. Always keep in mind that these events and activities are your events and activities, the committee is only a tool to make them happen on your behalf.

Again our section has won the GOLD Award for the best Section in its membership category. I will be accepting this award on behalf of all the members at the Houston ISA conference and Show on September 11.

The section is planning its year activities and its budget. Since we do not have high money making events every year we have to be prudent with our finances. The first indication of this will be at the dinner meeting in September, as you will experience a \$5.00 increase in the meals. This is our first adjustment in twelve years. The Customs Canada has audited us this summer and some of our operation functions will need to change to reflect any tax input.

The executive is looking forward working for you this coming year and we hope we can count on your support. Hope to see some of you at our dinner meeting on September 24 at the Sarnia Golf and Curling Club.

Yours Truly... Randall Dennie, President, ISA Sarnia Section

# ISA 2001 Directory

STILL AVAILABLE!

The 2001 Sarnia ISA Directory is still available.

Call...  
(519) 332-2300  
for details.



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

# ISA Executive 2001-2002

Position	Incumbent	Phone	Fax	E-Mail
President	Randy Dennie	337-8252 ext. 5871	339-7723 (W) 542-0179 (H)	rdennie@sympatico.ca
Vice-President Science Fair, Engineering Week, Donations	Kalpen Vahharajani	332-1717 ext. 237	332-8715	vahharajani@paton.org
Executive Assistant	Mike Spearman	344-1339	344-3824	m.spearman@wika.ca
Treasurer	Andy Tucker	383-3704	383-8285	andy.tucker@honeywell.com
Directory Chairman	Randy Dennie	337-8252 ext. 5871	339-7723 (W) 542-0179 (H)	rdennie@sympatico.ca
Newsletter Chairperson, Advertising	Bob Devine	332-2300	332-6640	bob.devine@lakesidecontrols.com
Assistant Newsletter Chairperson, Advertising	Kevin Noon	332-2300	332-6640	kevin.noon@lakesidecontrols.com
Newsletter Editor, Users Directory	Rob Thrift	339-2272	339-5792	rthrift@xcelco.on.ca
Web Master, Internet/Electronic Communications	Brian Smith	332-1212 ext. 7920	339-7301	smithb@novachem.com
Program Chairman	Don Murch	431-1916	431-1108	murchfam@sympatico.ca
Program Assistant	Brian Patterson	337-7591	336-0997	bpatterson@peacock.ca
Honours & Awards Chairman	Aldo DeSantis	344-4300	344-0042	aldo@controvalve.com
Honours & Awards Assistant	Glen Fournier	331-0433	336-8975	glen.fournier@ca.endress.com
Membership Chairman	James Callery	337-2301	383-1736	jcallery@suncor.com
Membership Assistant	Glen Williamson	481-3202	481-3336	williaga@novachem.com
Student Section Liaison	Mike Grey	542-7751 ext. 3308	542-6667	mike.grey@lambton.on.ca
Standards and Practices Chairman	Robert Thibault	464-6400	905-457-1482	bob.thibault@smpa.siemens.com
Standards and Practices Assistant	Paul Strong	541-0450		strongpe@mnsi.net
Education Chairman, Courses & Seminars	TBA			
Past President, Society Delegate	Mike Murray	383-1709	339-0481	mmurray@suncor.com
ISA Show Committee Chairman	Wayne Wilkins	383-0922	383-0534	wwilkins@samsoncontrols.com
ISA Show Committee Assistant	Marc Bouffard	336-8200 ext. 229	336-2033	bouffard@tct.net
Golf Tournament Chairman	Gary Coles	337-0777	337-4445	mvfsar@xcelco.on.ca
Golf Tournament Assistant	Gerry McKone	332-2300	332-6640	gerry.mckone@lakesidecontrols.com
DVP	Hank Rasanen	905-877-8786	905-877-0428	
DVP Elect	Mike Murray	383-1709	339-0481	mmurray@suncor.com
Dist 13 Admin. AT RTP	Bill Palmer	919-549-8411	919-549-8288	wpalmer@isa.org

# ISA Golf 2001

*Our thanks to the ISA Golf Committee and to the Sponsors for making this another great year. Also thanks to Mooretown Country Club for putting on a Great Spread!*



2001 Golf tournament, Break Time  
Holly and the Service Cart



2001 Golf Tournament  
Gary Coles, Roman Norejko, Vernon Stromm, Art Kreeft



2001 Golf Tournament  
Rick Lewandowski, Gord Dalley, Dan Mullin



2001 Golf Tournament  
Louis Delamonte, Sean McCarthy, Roch Diagle, Randy Dennie



REWARDS  
DAN, RICK & GORE