



**ISA Toronto  
Section**

Setting the Standard for Automation



in the **LOOP** the Newsletter that keeps you tuned in

**In this Issue**

- 1 Message from the ISA Toronto Section President
- 2 2017 Automation Technology ExpoSium - Show
- 3 2017 Automation Technology ExpoSium - Talks
- 4 Past Show Supporters and Sponsors

**Announcements**

2017 Fall Automation Technology ExpoSium  
Tabletop Show & Technical Talks  
Thursday, November 30th, 2017  
Sandman Hotel, Mississauga

FALL 2017

[www.isatoronto.org](http://www.isatoronto.org) [isatoronto@gmail.com](mailto:isatoronto@gmail.com)

**Message from the President**

Leo SaLemi

Greeting and salutations fellow ISA members and all other practitioners in the Automation Technology sectors.

We are well into the fall session and pleased to report that we have already hosted two dinner meetings at the Sandman Hotel in Mississauga. The first one in September was on Wireless Sensor Networks and presented by Cole McDonald from Mero Technologies, a new startup with roots from Queens University; and the second one was in October and presented by Jeremy Pollard, a long time ISA supporter and magazine columnist, who spoke about Cyber Security.

Moving forward we are pleased to announce the Fall Automation Technology ExpoSium which will be held on Thursday, November 30th at the Sandman Hotel in Mississauga.

An ExpoSium is a blend between a trade show (with fewer exhibitors) and a symposium (without the papers and publications). It is a networking event for practitioners in the Automation Technology industries who want to keep updated on current

industry trends and technologies and reach out to other professionals in the field.

Hope to see you at the Exposium. More details can be found in this newsletter and on-line at [www.isatoronto.org](http://www.isatoronto.org)

**2017 - 2018**

**ISA Toronto Executive Committee**

SECTION OFFICERS

President—Leo SaLemi  
 President Elect—Nick Stabler  
 Vice President—Marvin Greenberg  
 Treasurer—Hank Rasanen  
 Secretary—Sofia Prokh  
 Rules Advisor—Nissan Gutmanowicz  
 Delegate & Past President —Reynold Ramdial

COMMITTEE MEMBERS

WebMaster - Tom Branigan  
 Communications Manager - Jothi Keerthi  
 Newsletter Editor- Leo SaLemi  
 Shows - Reynold Ramdial  
 Member Dinner Meetings - Mark Valdmanis  
 Membership Chair - Sofia Prokh

## 2017 FALL AUTOMATION TECHNOLOGY EXPOSIUM

Tabletop Show and Technical Talks with Product Demonstrations

Thursday, November 30<sup>th</sup> from 10:00 am to 7:00 pm  
Sandman Hotel, 5400 Dixie Rd, Mississauga, ON, L4W 4T4

The Fall ExpoSium is a one day tabletop show for people from the automation technology sectors who want to meet and network with other professionals in similar fields or attend one of the technical talks given by experts from the industry. Or you can choose to connect with one of the sponsoring companies who may be able to help you with a technical issue or demonstrate their products or services.

- Pre-Show Industry Tour (register on-line)
- Free on site registration and parking
- Free refreshments and beverages
- Draws for prizes (Tickets & Online Registration)
- Technical Talks and Vendor Demonstrations
- Post Show Refreshments and Happy Hour

### Pre-Show Breakfast Tour to Spirax Sarco

Spirax Sarco is world leader in high quality products for the control and efficient use of steam and other industrial fluids used in many sectors within the automation technology industries.

Join us on Thursday morning before the show and get a first hand look of the state of the art steam plant design and training facilities in Vaughan. Special thanks to Spirax Sarco for offering to host this event for the ISA Toronto Section.

Bus departs Sandman Hotel at 8:15 am for Vaughan and returns back to the hotel by 11 am

Space is limited and you must register via  
[www.isatoronto.org](http://www.isatoronto.org) or by email  
[isatoronto@gmail.com](mailto:isatoronto@gmail.com)



### Sponsors










## **Featured Technical Talks**

Scheduled throughout the day - check website for updates @ [www.isatoronto.org](http://www.isatoronto.org)

The themes for this year's 'Technical Talks' revolve around the digital transformation created by the IoT revolution and Cloud Analytics. Learn how these disruptive technologies have impacted the way we do things today and what we can expect tomorrow.

These talks are presented by fellow professionals who work in one of the related Automation Technology industries and meant for any mix of people who come from industry sectors such as:

- Industrial Automation
- Factory Automation
- Process Automation
- Building Automation

## **Featured Presentations**

**ISA 95 from Edge to Cloud with OPC UA** – Learn how OPC UA transforms the ISA 95 data model specification into an implementable information model. OPC UA contextualizes and aggregates factory floor data at the “Edge” for easy integration with ERP’s, analytics, and visualization in the Data Center or the Cloud. While ISA 95 has been around for a long time, there was no implementation standard until it was applied to OPC UA. With OPC UA, ISA 95 enters the IIoT world and has an immediate place in the Industrie 4.0 reference architecture. - presented by Stan Brubaker,

**Protocols With Out Boundaries** - Established protocols and standards sometimes becomes a barrier rather than the solution when you begin to integrate different technologies. Learn how to use the right tools that allow you to integrate a ModBus controller on BACnet network or any network in your plant. - by Ricardo Medina

**What is IT/OT and where is it headed?**- Essentially the OT engineering team is responsible for managing the plant or facilities side of the corporate enterprise while the IT group manages all data networks servers, routers and switches throughout the physical and virtual enterprise. The co-existence between the IT/OT groups is not only paramount but essential in order to maintain an efficient and sustainable enterprise.

**The Digital Enterprise for Industrie 4.0** - Digitalisation is changing our technology driven world – and for the better. The digital transformation is creating new competitive advantages and business models for many companies in the manufacturing and process industry. Machine builders, mechanical designers and plant engineers are taking advantage of this development and make it usable for their customers.



**Stan Brubaker, President of Beeond, Inc.**

Stan provides IIoT consulting services with a focus on OPC UA adoption as an enabling technology. Stan has 20+ years in the product development and manufacturing execution systems (MES) business. This time includes 8 years managing software product development followed by 15 years managing large MES programs and projects and helping manu-



facturing companies realize business value from technology. Stan has a Bachelor of Science in Computer Science and an MBA from Penn State University and is a certified Project Management Professional (PMP).



**Ricard Medina,  
Mircom Product Research & Development**



Reaching customers in over 100 countries worldwide, Mircom's portfolio includes: fire detection & alarm, communications & security, mass notification, nurse call, and building automation & smart technologies.

Ricardo is the developer of Mircom's OpenBAS a UL/ULC Programmable Automation Controller with supporting accessories that can be easily integrated into any industrial, commercial, or residential application.

# Past Tabletop Show Sponsors



Electrical Components

