



# TRANSMITTER

## FEBRUARY 2016

### ISA Membership Benefits



#### Technical Resources

- Discounts on ISA resources, training, and conferences
- Subscription to *InTech* magazine
- Unlimited online viewing of ISA standards
- Unlimited access to archived ISA web seminars
- Unlimited downloads of ISA Technical Papers



#### Professional Network

- Access to local professionals via ISA Sections
- Connections to peers via ISA Technical Divisions
- Industry thought leader discussions via ISA Online Communities



#### Leadership Skills

- Leadership Development Training
- Hundreds of Volunteer Roles
- Publishing, Teaching, and Presenting Opportunities
- ISA Honors and Awards, Recognition Programs

*ISA Membership: Your All-Access Pass*

## 2016 Exhibitors

as of 2/1/2016

- |                           |                            |
|---------------------------|----------------------------|
| AutomaTech, Inc.          | FCX Performance            |
| R.M. Headlee Co., Inc.    | DynaTech Control Solutions |
| PHD, Inc.                 | Nooney Controls            |
| Neff Engineering          | F.W. Webb Company          |
| Ryan Specialty Valve      | Temp-Press, Inc.           |
| Northeast Controls        | Rockwell Automation        |
| Emerson                   | Beckhoff Automation        |
| Hesse Industrial Sales    | Ralph W Earl Co            |
| Swagelok Western New York | R.L. Stone Company Inc.    |
|                           | Rockwell Automation        |
|                           | GHD                        |
|                           | Ronald J. O'Mara           |
|                           | Omni Services              |
|                           | Martech Controls Inc.      |



New York State's Largest Trade Show for  
Industrial Automation, Technology & Process Control



MANUFACTURING • ENERGY • INFRASTRUCTURE • EDUCATION • & MORE!

**SAVE THE DATE**

**TUESDAY**

**APRIL 12, 2016**



EXECUTIVE OFFICERS

President

Joe Cipriani  
(716) 440-3487  
joe.cipriani@emerson.com

Vice President

Tony Anderson P.E.  
(716) 634-9736  
tanderson@rjopepc.com

Secretary

Dan Gunderud  
dgunderud@isa-niagara.org

Treasurer

Mary Ann O'Connor  
(716) 308-0676  
maoc@hot-training.com

Section Delegate

Fritz Purkert, P.E.  
zfepat@gmail.com

COMMITTEE CHAIRS

Standards & Practices

Fritz Purkert, P.E.  
zfepat@gmail.com

Educational & Technical Programs

Joe Cipriani  
(716) 440-3487  
joe.cipriani@emerson.com  
Dan Gunderud  
dgunderud@isa-niagara.org

Student Liaison

Mark Voisinet  
(716) 614-6861  
mvoisine@niagaracc.suny.edu

Membership / Golf Outing

Tony Anderson P.E.  
(716) 634-9736  
tanderson@rjopepc.com  
Ed Metzler  
(716) 800-5625  
emetzler@rwearl.com

WebSite

Nico DeWilde  
(716) 491-4359  
nico.dewilde@imalife.com

Advertising

Steve Smith  
(716) 839-4008  
ssmith@nooneycontrols.com

Newsletter Editor/Expo Program

Mary Ann O'Connor  
(716) 308-0676  
maoc@hot-training.com

Golf Outing

Tony Anderson P.E.  
(716) 634-9736  
tanderson@rjopepc.com

Email Administrator

Ray Limburg  
(716) 828-8978  
r.limburg@bsfwny.com

Graphic Designs

Erica Clough  
(716) 946-6513  
ericacclough@gmail.com

Want to Hire a Team Player?  
Ask About Volunteer Work

By Anne Fisher@anbfisher  
JANUARY 27, 2016, 1:02 PM EST

People active in community groups tend to bring strong soft skills to work.

Let's say you're hoping to fill a job opening on a team, and you're looking at two resumes that list similar education, credentials, and work experience. One candidate, however, mentions spending her spare time coaching a kids' soccer team, dishing up meals at a soup kitchen, and taking photography classes. The other doesn't. Which one do you choose? Your best bet is probably the candidate with the most outside activities, counterintuitive as that might seem.

"Hiring managers often dismiss volunteer work and community involvement as irrelevant, or even a potential distraction," says Ilan Vertinsky, a professor at the University of British Columbia's Sauder School of Business. "But really, people with busy evening and weekend schedules are exactly who should be getting hired."

Vertinsky led a team of researchers who studied 347 employees at 80 companies, and found that those workers who took the most active part in the greatest number of outside activities were also the most productive and innovative team members at work. That's partly because, Vertinsky notes, "you learn the most by getting out of your comfort zone and having different experiences with people from a wide variety of backgrounds."

The biggest benefit of *pro bono* work, though, is that it usually hones people's "soft" skills, including empathy, negotiating, conflict resolution, and figuring out creative solutions to problems.

The study cites a heap of academic research bearing that out, but "we wanted to find out whether those stronger social skills would transfer from a non-profit environment to the workplace, where there is more competition and more opportunity for conflict," says Vertinsky. "It turns out that they do."

If you're meeting with a promising job candidate who hasn't included any extracurriculars on his or her resume, he adds, "you should ask. Some interviewers already do, because they want people who are 'balanced.' But this research suggests an even better reason." Are you job hunting and wondering whether to mention that Little League coaching gig or those weekends toiling for Habitat for Humanity? If you're applying for a job that calls for teamwork, it couldn't hurt.

The study, "Trust in the Workplace: The Role of Social Interaction Diversity in the Community and the Workplace," will appear in a forthcoming issue of *Business & Society*.



WHY VOLUNTEER?  
LET'S COUNT THE REASONS

- Help others
- Develop new skills
- Expand your horizons
- Make a difference
- Meet good people
- Find purpose
- Feel involved
- Make new friends
- Strengthen your resume
- Contribute to a cause you care about
- Use your skills in a productive way

Check out all of the opportunities available through this ISA Section. To learn more, contact any of the people on the list to the left. We'll be waiting to hear from you.



## 2016 Section Calendar

<i>Annual Golf Outing</i>	<i>September 21, 2015</i>	<i>Diamond Hawk Golf Course</i>
<i>Technical Discussion &amp; Plant Tour</i>	<i>October 19, 2015</i>	<i>Lockhouse Distillery</i>
<i>Professional Society Holiday Social</i>	<i>1st week December</i>	<i>Gordon Biersch</i>
<b>Technical Tour and Discussion</b>	<b>February 25, 2016</b> Thursday	<b>Buffalo State College</b> <i>New State of the Arts Technology Building</i>
<i>Technical Discussion &amp; Plant Tour</i>	<i>March 2016</i>	<i>IMA Life</i>
<b>Tech EXPO 2015</b>	<b>April 12, 2016</b>	<i>Marriott Inn</i> 11am—6pm
<i>Morning of Education:</i>	<i>April 12, 2016</i>	<i>Marriott Inn</i> 8:30 am—2:00 pm
<i>Technical Discussion &amp; Plant Tour</i>	<i>May 2016</i>	<i>Steuben Foods</i>
<i>Technical Discussion &amp; Plant Tour</i>	<i>June 2016</i>	<i>Col Ward Pumping Station</i>

Register today at [isa-niagara.org](http://isa-niagara.org)

### Professional Certification Renewals:

#### Professional Development Hours (PDH) credit

- Available for most Technical Seminars and Technical Tours
- Additional credit is available for presents of Seminars

Do you require PDH credit for a renewal of a Certification or License? register for or present at one or more of the monthly events.



**INSTRUMENTS AND INDUSTRIAL CONTROLS**

5858 E. Molloy Road  
Syracuse, NY 13211  
E-mail: [sales@georgemillerco.com](mailto:sales@georgemillerco.com)  
[www.georgemillerco.com](http://www.georgemillerco.com)

Tel: (315) 455-5748  
Fax: (315) 454-0112

**ANDREW J. O'DONNELL**  
Sales Engineer



Software Solutions  
Control Systems  
Process Engineering  
Machine Building

*The next generation of Smartech Systems, Inc.*

**BRIAN ABERNATHY**  
Business Development Manager

500 East Brighton Avenue, Syracuse, NY 13210-4211  
315.701.2316 x119 cell: 315.558.4398 fax: 315.701.2317  
[babernathy@S2iEng.com](mailto:babernathy@S2iEng.com) [www.S2iEng.com](http://www.S2iEng.com)

Automated Process Control Solutions  
Custom Software Development

**BEN CASTO**  
Sales Manager



**APPLIED SCIENCES GROUP, INC.**

4455 GENESEE STREET, BLDG. 6 • BUFFALO, NY 14225  
716-626-5100 x200 • FAX: 716-626-0629  
E-MAIL: [bencasto@asgrp.com](mailto:bencasto@asgrp.com) • [www.appliedsciencesgroup.com](http://www.appliedsciencesgroup.com)

**Ronald J. O'Mara**  
**P.E. P.C.**  
CONSULTING ENGINEERS

SINCE 1892

JACOB A. ARGAUER, JR., P.E.  
Principal Engineer  
[jargauer@rjopepc.com](mailto:jargauer@rjopepc.com)

5813 Main Street  
Williamsville, NY 14221  
Tel. (716) 634-9736  
Fax (716) 634-4912



## Technology could kill 5 million jobs by 2020

by Ivana Kottasova  
@ivanakottasova

CNNMoney (DAVOS, Switzerland) First published January 18, 2016: 10:29 AM ET

*Five million jobs in the world's leading economies could disappear over the next five years because of advances in technology.*

Developments in artificial intelligence, robotics, and biotechnology, would disrupt the business world in a similar way to previous industrial revolutions, the World Economic Forum said in a report published Monday.

Administrative and white collar office jobs are most at risk from a "fourth industrial revolution," the forum said on the eve of its annual meeting in Davos this week.

The impact of the tech revolution is the central topic of this year's gathering of the world's leaders and major business figures in the Swiss mountain resort.

The forum surveyed senior executives from over 350 of the biggest companies in 15 of the world's major emerging and developed economies. Together, those economies account  
*(Continued on page 11)*

**COMPLETE INDUSTRIAL AUTOMATION SOLUTIONS**

# NSI

**NEAL SYSTEMS INCORPORATED**

YOUR RESOURCE FOR ALL ASPECTS OF PLANT AND PROCESS

<p><b>METRIX</b> Experience Value</p> <ul style="list-style-type: none"> <li>Vibration Monitoring Equipment</li> <li>Shutdown/Alarm Switches</li> <li>Proximity Measurement Sensors</li> <li>Portable Meters</li> <li>Vibration Calibration Instruments</li> </ul>	<p><b>EXPO</b> Purging and Pressurization Control Systems For Hazardous Area Instrument Panels</p>	<p><b>INVENIAS</b> Eurotherm</p> <ul style="list-style-type: none"> <li>Controllers and Indicators</li> <li>Programmers</li> <li>SCAs</li> <li>Multi-Loop Systems</li> <li>Integrated Process Control and Data Management Systems</li> <li>Actuators and Valves</li> </ul>
<p><b>MTL Instruments</b></p> <ul style="list-style-type: none"> <li>Intrinsic Safety Barriers and Isolators</li> <li>Hazardous Area Indicators, Lights, and Horns</li> <li>GECMA Hazardous Area Displays</li> <li>Azonix Ruggedized Displays</li> </ul>	<p><b>byres security</b> <b>TOFINO</b></p> <ul style="list-style-type: none"> <li>Cyber Security for Control Systems</li> <li>Secure VPN Connections for SCADA and PLCs</li> </ul>	<p><b>AT YOUR SERVICE FOR...</b></p> <p>APPLICATION ASSISTANCE TECHNICAL TRAINING PARTS PROCUREMENT REPAIRS</p>
<p><b>L&amp;J TECHNOLOGIES</b> <b>SHAND &amp; JURS</b></p> <ul style="list-style-type: none"> <li>Storage Tank Safety Relief Valves</li> <li>Vents and Fittings</li> <li>Flame/Detonation Arresters</li> <li>Level Control</li> <li>Radar Gauges</li> <li>Overflow Protection</li> <li>Inventory Management Systems</li> </ul>	<p><b>Pyro MATION, INC.</b></p> <ul style="list-style-type: none"> <li>Thermocouples and RTDs</li> <li>Thermowells</li> <li>Thermocouple Wire</li> </ul>	
	<p><b>KPSI</b> Level Transducers</p> <p>Level &amp; Submersible Pressure Sensors</p>	
	<p><b>HEAT-SYSTEM CO. LTD.</b></p> <ul style="list-style-type: none"> <li>Signal Conditioners and Isolators</li> <li>Limit Alarms</li> <li>Power Transducers</li> <li>Lightning Arrestors</li> </ul>	

**www.nealsystems.com**  
Or call (215) 968-7577



**Doug Hill**

Phone: 716-628-8611 mobile  
Phone: 716-875-9365 office  
Fax: 716-877-6903  
Email: Doug.Hill@Swagelok.com



Genuine Swagelok Tube Fittings

**Swagelok Western New York**  
171 Cooper Avenue, Suite 104  
Tonawanda, New York 14150



**Bert Cappellini**  
Applications Engineer

**Northeast Controls, Inc.**  
6000 N. Bailey Ave.  
Suite 2B  
Amherst, NY 14226  
USA

T (716) 831 1960x683  
F (716) 831 1966  
T (716) 831 3683  
E-Mail: Bert.Cappellini@NortheastControls.com



STAINLESS  
STEEL  
PRODUCTS

**INSTRUMENTATION**

**High Purity Connectors**



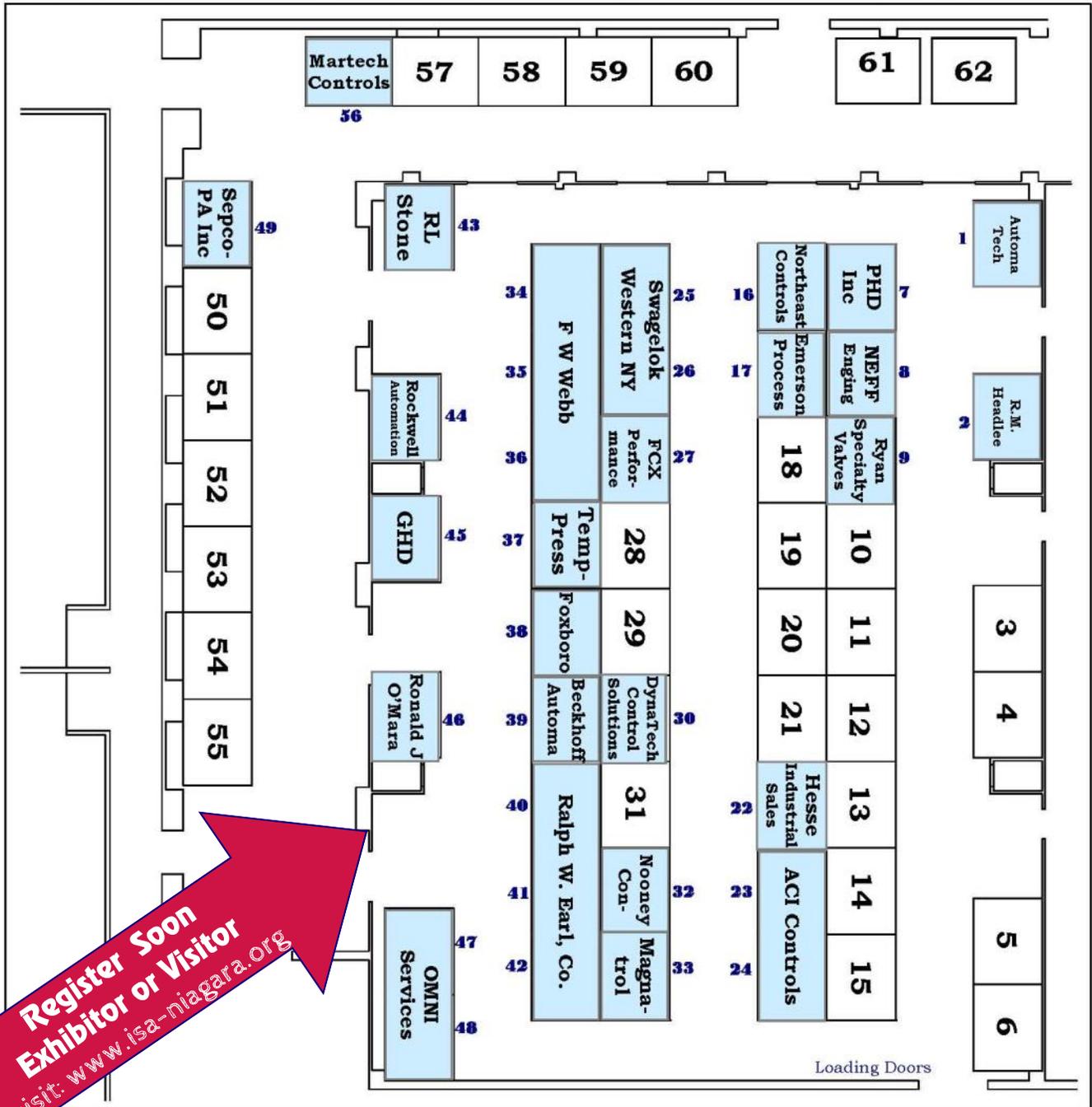
- ▶ INSTRUMENT FITTINGS
- ▶ INSTRUMENT VALVES
- ▶ HOSE ASSEMBLIES
- ▶ HARDWALL TUBING
- ▶ QUICK CONNECTS

▶ ORDER NOW

Phone#: 1-800-229-2778  
www.omniservices.com



## EXHIBITOR REGISTRATION/LOCATION MAP



**TUESDAY, APRIL 12, 2016**

**REGISTRATION REQUIRED WWW.ISA-NIAGARA.ORG/tech-expo-2016**

**MORNING OF EDUCATION**

- Seminar 1: "Sub Metering of HVAC & Utility Fluids"
- Seminar 2: "Vapor & Flame Control Equipment"
- Seminar 3: "Specification & Application of Flowmeters"
- Seminar 4: TBD

**EXHIBITION 2016**

11:00noon - 6:00pm  
Register at: [www.isa-niagara.org](http://www.isa-niagara.org)

Buffalo Marriott Niagara, 1340 Millersport Highway., Amherst, NY 14221







# EXHIBITOR BOOTHS, ADVERTISING & SEMINARS

## SECTION 1: Exhibitor Contact Detail (for publication in Expo Program)

Company Name	Contact	Email	Phone #
Company Address	City	State	Zip
ISA Section Affiliation	**ISA Member Number**	Company URL	Alt Phone #

## SECTION 2: Exhibitor Booth w/AD Selection

Save \$50! Register by March 1, 2016

Booth plus Ad:	#	Member Pricing		#	Non-Member Pricing	
		After 3/1			After 3/1	
Booth w/Business Card		\$525.00	\$575.00		\$585.00	\$635.00
Booth w/Half Page Ad		\$600.00	\$650.00		\$660.00	\$710.00
Booth w/Full Page Ad		\$675.00	\$725.00		\$735.00	\$785.00

Additional Table	#	Day of Show		#	Day of Show	
Additional 6' Table		\$30.00	\$40.00		\$40.00	\$50.00
Additional 8' Table		\$30.00	\$40.00		\$40.00	\$50.00
<b>+ Table TOTAL</b>		<b>\$</b>	<b>\$</b>		<b>\$</b>	<b>\$</b>

## Booth Location Preference

Location Preference:  
 1st \_\_\_\_\_ 2nd \_\_\_\_\_ 3rd \_\_\_\_\_  
 Placement is made on a First Come basis and Receipt of Payment. All effort be made to satisfy requests but no guarantee can be made. All final booth location decisions are at the discretion of the ISA Tech Expo 2015 Committee.

## SECTION 4: Expo Program Advertising

Full Page / Line Card # \_\_\_\_\_ \$250.00 \$ \_\_\_\_\_  
 Half Page Ad # \_\_\_\_\_ \$150.00 \$ \_\_\_\_\_  
 Business Card # \_\_\_\_\_ \$ 75.00 \$ \_\_\_\_\_

**ADVERTISING TOTAL: \$ \_\_\_\_\_**

Ad/Business Card/Line Card copy must be received by: 3/15/16

Email graphic files to: maoc@hot-training.com

## SECTION 3: Sponsor Order

Gold Sponsor Level	\$1,000.00	\$ _____
Silver Sponsor Level	\$500.00 ea	
Tech Expo Literature Bags		\$ _____
Tech Expo Giveaway		\$ _____
Bronze Sponsor Level	\$250.00 ea	
Registration Table		\$ _____
Lunch		\$ _____
Beverage (Beer)		\$ _____
Educational Seminar (4 available)		
Seminar #1 <input type="checkbox"/> #2 <input type="checkbox"/>		\$ _____
#3 <input type="checkbox"/> #4 <input type="checkbox"/>		
New Member		\$ _____
<b>SPONSORSHIP TOTAL</b>	<b>\$</b>	<b>\$ _____</b>

## SECTION 5: Order Recap & Total

Exhibitor Booth Total	\$ _____
Additional Table Total	\$ _____
Tech Expo Sponsor Total	\$ _____
Additional Advertising Total	\$ _____
<b>TOTAL PAYMENT DUE:</b>	<b>\$ _____</b>

**Exhibitor Registration: 8:00a.m.—10:30a.m. Tuesday, April 12, 2016**

Checks payable to: **ISA-NIAGARA FRONTIER**  
 c/o Hands On Technical Training  
 435 Creekside Drive, Suite 4, Amherst, NY 14228

**WWW.ISA-NIAGARA.ORG/tech-expo-2016**



## IoT - INTERNET OF THINGS—PART 2

BY: FRITZ PURKERT, SECTION DELEGATE

### Continued from ISA Transmitter, January 2016

Do you have a feeling for your Internet of Things yet?

For the IoT to be able to work, platforms from competing vendors need to be able to communicate with one another. This requires standard APIs (Application Programming Interface) that all vendors and equipment can communicate with each other.

IBM proposed in February that its IoT protocol, called Message Queuing Telemetry Transport (MQTT), be used as the open standard. This would help multiple vendors participate in the IoT.

HP, IBM and others are starting to open up their systems to be less restrictive, just as telecom operators are allowing different networks to be part of the IoT ecosystem.

Meanwhile, a number of platforms serve as the plumbing to connect systems from different vendors so that they can communicate and be managed. One such platform is Xively Cloud Services, which is LogMeIn Inc.'s public IoT Platform as a Service. It allows IT to design, prototype and put into production any Internet-connected device.

For example, companies that have to monitor energy use might use closed, vendor-specific systems. They can use something like Xively as a secondary system to monitor heating and cooling and control energy use across multiple locations.

The hype around the Internet of Things continues to grow, and some commentators have suggested IoT could be a boon to analytics by serving as a major source of data. But it's unclear whether today's companies are ready to take advantage of IoT's potential.

### **IoT promises of being able to assemble data from lots of sources, but are we there yet?**

The slow progress of IoT technology isn't due to a lack of attention. The IoT is in its Hype Cycle, which means that the technology is currently the main target of inflated expectations. More data does not mean more usable data. It is estimated, that IoT adoption will grow to 26 billion Internet-enabled devices installed by 2020.

But there are a number of problems holding back IoT. Consumer adoption of Internet-enabled devices isn't progressing as fast as needed. Of course, consumers are snapping up smartphones and personal health monitors, but the commonly cited IoT dream of

Internet-connected refrigerators – ones that automatically order more milk when the owner starts running low -- is a long way off.

The second problem is the lack of standards for IoT technology. Internet-enabled devices being produced today come with proprietary software that makes it hard for various devices to communicate with each other. Google's acquisition of Nest, the learning home thermostat, could help push things toward standardization, as more device manufacturers make their products compatible with Google services. But more progress is needed.

This is brand-new data and information that we never had access to before. Getting access to data is something data scientists strive for. But all these devices are still independent, and there's no way for anybody to aggregate that data together.

Certain industries are likely to embrace IoT much faster than others. A number were excited about the possibilities presented by smart grid technologies, which involve connecting all points of a power grid to the Internet for continuous monitoring, enabling preventive maintenance and proactive management of power supply.

Other industries that control sensor data are likely to embrace IoT. It would be easiest for manufacturing and supply chain companies to start using IoT since their machines and fleets typically already have Internet-enabled sensors or devices. For these industries it's just a matter of collecting the data and applying analytics to it.

Even though some businesses have the opportunity to embrace IoT technology and see some real value from it, few are likely to put in place large-scale IoT projects anytime soon. For the time being, IoT remains a dream for the future.

The success of this IoT hype technology will be in the ability to handle security. In small and self-contained system this may not be a problem, but large systems with secure encryption are cumbersome and can swallow the expected gain.

So..... Did you see the part of the elephant that represents your industry and technology? It is a big elephant and the no one sees the entire picture. Just make sure you are not being trampled by the unknowns of this new monster.





## Calling all female engineers: General Motors wants you.

The car maker recently launched a [new initiative](#) to get more women engineers back into the workforce after a break of two or more years.

The "Take 2" program was announced Friday. It's a 12-week internship of sorts for women who have experience with vehicle engineering, manufacturing engineering, or manufacturing operations.

It starts on April 1, and information about how to apply can be found on the [GM Careers website](#).

Interns will receive training as well as networking and professional development opportunities.

Take 2 is part of the drive within STEM (science, technology, engineering and math) fields to hire more women.

Women are a minority in the auto industry -- they make up less than 20% of the overall workforce, based on data from 2013.

GM ([GM](#)) became the first major automaker to be run by a woman when it named [Mary Barra](#) as CEO in 2013.

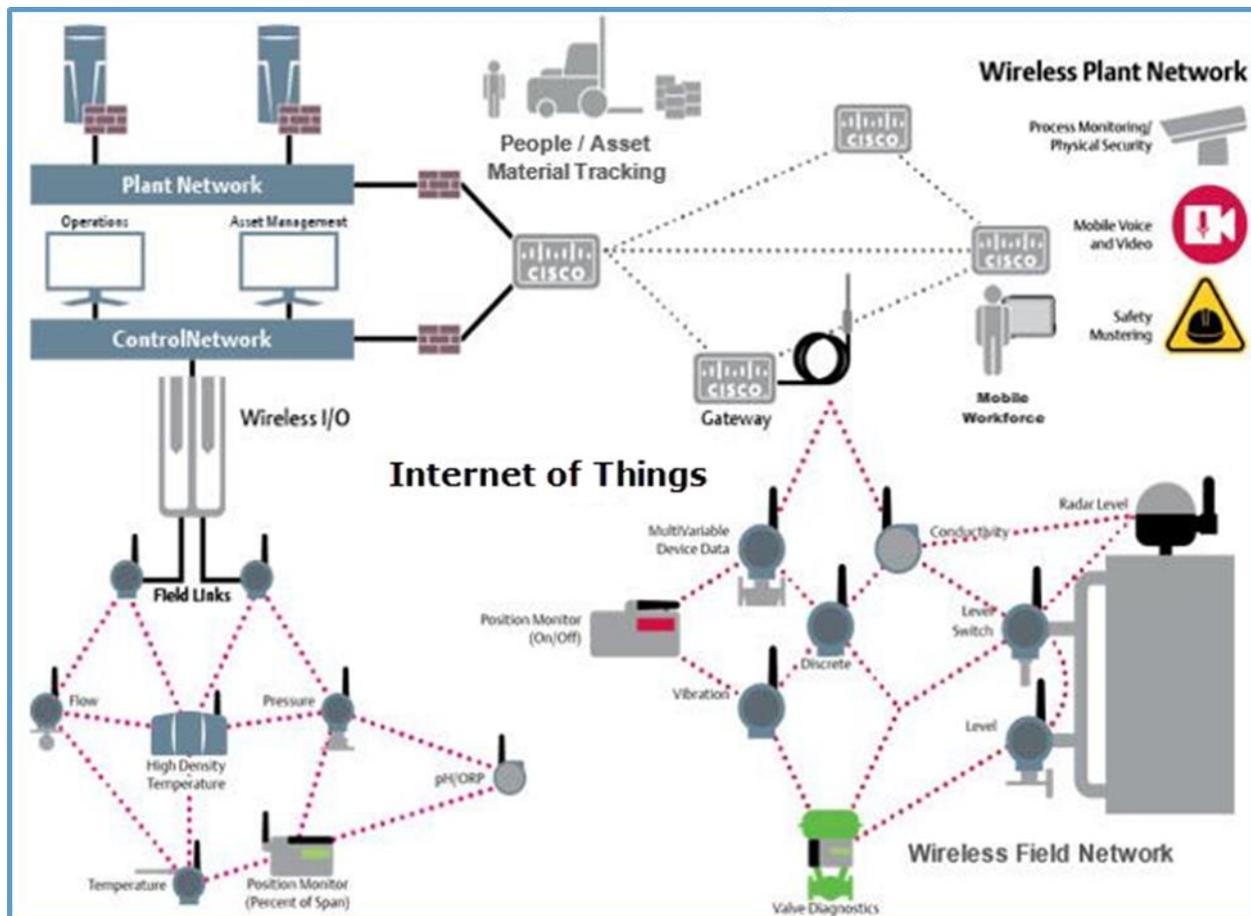
Barra herself started at GM as an intern and worked for the company for 33 years before taking on the new role. She had previously served as an executive vice president with the company.

The Society of Women Engineers and iRelaunch, a career re-entry firm, have teamed with companies such as GM, Caterpillar, Cummins, Booz Allen Hamilton and IBM to form the STEM Re-entry Task Force.

The Take 2 program at GM is made possible because of the task force and is just one of several internships that will be available. Other members of the task force will offer internships of their own.

General Motors' Take 2 program wants to help women engineers reenter the workforce.

CNNMoney (New York)First  
published January 27, 2016: 1:31 PM ET







(Continued from page 4)

for 65% of the global workforce.

Related: Smart robots could soon steal your job

It found that as many as 7.1 million jobs in the world's richest countries could be lost through redundancy and automation. Those losses would be partially offset by the creation of 2.1 million new opportunities in sectors such as tech, professional services and media.

Countries will have to invest in transforming their workforce if they want to keep up with the changes and avoid a worse case scenario of "talent shortages, mass unemployment and growing inequality," said Klaus Schwab, the founder and chairman of the World Economic Forum.

Investing in education and adult learning programs is a good place to start.

Around 65% of children starting primary school today will end up working in jobs that don't yet exist, and their future training is crucial, according to the report.

Insisting on more diverse workforces in terms of gender, ethnicity and age, will also be vital for companies that want to succeed in the rapidly changing world.

CNNMoney (DAVOS, Switzerland) First published January 18, 2016: 10:29 AM ET

**SEPCO**  
**Corporation**  
**YOUR #1 RESOURCE FOR:**

APCO | HILTON

**WWW.SEPCO-PA.COM**  
**187 Turk Hill Park • Fairport, NY 14450**  
**Tel (585) 223-4727 • Fax (585) 223-5833**  
**Email: [jbosch@sepco-pa.com](mailto:jbosch@sepco-pa.com)**

**Nooney Controls Corp.**

Phone: (716) 839-4008  
 Fax: (716) 839-4011  
 Cell: (716) 510-5805

**Steven J. Smith**  
Senior Sales Engineer

**NOONEY CONTROLS CORP.**  
 4498 Main Street  
 Suite 21  
 Amherst, New York 14226  
[ssmith@nooneycontrols.com](mailto:ssmith@nooneycontrols.com)

Home Office  
 466 Dry Bridge Road  
 No. Kingtown, R.I. 02852  
 Phone: (401) 294-6000  
 Fax: (401) 294-1405  
[www.nooneycontrols.com](http://www.nooneycontrols.com)

**M. S. JACOBS & ASSOCIATES, INC.**  
EQUIPMENT ENGINEERS

**MIKE LAUBER**  
Sales Engineer

PO Box 93  
 1 School Street  
 Batavia, New York 14021

Phone: (585) 344-0102  
 Fax: (585) 344-0315  
 E-Mail: [msjacobs@rochester.rr.com](mailto:msjacobs@rochester.rr.com)

*INSTRUMENTATION / VALVES / SALES & SERVICE*

MEASURE • CONTROL • COMMUNICATE

**SIEMENS** Process Instrumentation

*Jim Malloy* ~ [malloy@ritec.com](mailto:malloy@ritec.com) ~ (585) 370-3871

FIELD TRANSMITTERS: PRESSURE \* TEMPERATURE \* LEVEL \* FLOW

LEVEL MEASUREMENT: ULTRASONIC \* MICROWAVE \* CAPACITANCE

POINT LEVEL CONTROLS: ULTRASONIC \* CAPACITANCE \* VIBRATION

FLOW METERS: MAGNETIC \* ULTRASONIC \* CORIOLIS

BELT SCALES: WEIGHFEEDERS \* DRY SOLIDS FLOWMETERS

PNEUMATICS: REGULATORS \* DIFFERENTIALS \* BOOSTERS

VALVE POSITIONERS: ELECTROPNEUMATIC \* ELECTRIC ACTUATORS

**585-271-3170**

**www.RITEC.com**

(SIEMENS \* MILLTRONICS \* MOORE PRODUCTS \* DANFOSS \* CONTROLTRON)

**Antech Sales, Inc.**

(585) 798-4300 [www.antechsales.com](http://www.antechsales.com)

**Applied Measurement & Control**

(800) 882-6050 [www.appliedmc.com](http://www.appliedmc.com)

**CONAX Technologies**

(716) 684-4500 [www.conaxtechnologies.com](http://www.conaxtechnologies.com)

**Control System Laboratories**

(716) 836-2100 [www.controlsystemlabs.com](http://www.controlsystemlabs.com)

**CPI Process Systems Inc.**

(716) 675-0134 [www.cpiprocess.com](http://www.cpiprocess.com)

**F.W.Webb Process Controls**

(315) 655-9700 [www.fwwebb.com](http://www.fwwebb.com)

**KOM Automation, Inc.**

(716) 566-5262 [www.komautomation.com](http://www.komautomation.com)

**L.A. Woolley Inc.**

(716) 821-1200 [www.lawoolley.com](http://www.lawoolley.com)

**M.S. Jacobs & Associates, Inc.**

(585) 344-0102 [msjacobs@rochester.rr.com](mailto:msjacobs@rochester.rr.com)

**NIBSCO Automation**

(716) 662-2585 [www.nibsc automation.com](http://www.nibsc automation.com)

**Niatech Company, Inc.**

(716) 204-8250 [www.niatechco.com](http://www.niatechco.com)

**PCB Piezotronics**

(716) 684-0001 [www.pcb.com](http://www.pcb.com)

**Power Drives Inc.**

(716) 822-3600 [www.powerdrives.com](http://www.powerdrives.com)

**R.M. Headlee Co.**

(716) 662-9813 [www.rmheadlee.com](http://www.rmheadlee.com)

**Total Control System Services**

(716) 941-9510 [www.totalcontrolnys.com](http://www.totalcontrolnys.com)

ISA-Niagara Frontier Section  
c/o Hands On Technical Training  
435 Creekside Drive, Ste 4  
Amherst, NY 14228

**NON-PROFIT  
US POSTAGE PAID  
NIAGARA FALLS, NY  
PERMIT NO 28**

**Time Sensitive Material**

Join us for a TOUR of the **STATE-OF-THE-ART TECHNOLOGY BUILDING** on the Buffalo State College Campus.

Thursday, Feb 25th—  
tour, lecture and dinner snack.

See more information inside...



**ISA Niagara Frontier  
Section**

**ISA TECH EXPO 2016**

**Seminar 1**

*Sub-Metering of HVAC & Utility Fluids  
Energy Management & Best Practices*

Presenter:

Scott Hunt

Flow Specialist, Rosemount Div of Em-  
erson Process Management

**Cost:** \$25 for ISA Members, Students & Veterans (w/ID)

\$35 for Non-Members

Pre-register online and save \$5

**Register:** [http://isa-niagara.org/tech\\_expo.php](http://isa-niagara.org/tech_expo.php)

**Seminar 2**

*Vapor & Flame Control Equipment*

Presenter:

Nick Marocchi

Eastern Regional Sales Manager, The  
Protectoseal Company

**Seminar 3**

*Specification & Application of Flowmeters*

Presenter:

Fritz Purkert

Praxair – Retired, Sr. Development Asso-  
ciate for Application Research  
ISA-NFS Standards & Practices Chari

**Length:** 1½ hours

**Award:** 1½ Professional Development (PDH)  
upon request

**TUESDAY, APRIL 12, 2016**

**REGISTRATION REQUIRED [WWW.ISA-NIAGARA.ORG/tech-expo-2016](http://WWW.ISA-NIAGARA.ORG/tech-expo-2016)**

**MORNING OF EDUCATION**

Seminar 1: "Sub Metering of HVAC & Utility Fluids"

Seminar 2: "Vapor & Flame Control Equipment"

Seminar 3: "Specification & Application of Flowmeters"

Seminar 4: TBD

**EXHIBITION 2016**

11:00noon - 6:00pm

Register at: [www.isa-niagara.org](http://www.isa-niagara.org)

