

# Certification NEWS

## Bonnie Rose joins CSA International as Vice President, Service Delivery

**B**onnie Rose, P.Eng, MBA, was appointed to the position of Vice President, Service Delivery, CSA International, in January, 2008.

Rose was most recently employed by Celestica, a provider of electronic manufacturing services, as Senior Director, Global Operations, Global Design Services. In that role, she was responsible for seven design sites located in Canada, the United States, Italy, China, and the joint venture of an Indian design consultancy. She also oversaw design and product development procedures and was accountable for the management of \$30 million in electronic product design consulting services. More than 240 professionals were under the leadership of Rose, including engineers, program managers, managers and directors. Previous roles held with Celestica were: Director, North American Operations; Global Design Services; and Business Development, Global Design & Engineering Services.

“CSA International is committed to continuously improving and updating its services delivery to our customers.” said Randall W. Luecke, President, CSA

International and OnSpeX. “Bonnie’s international expertise in product development procedures and design consulting will be great assets as we implement new procedures and technologies to improve efficiencies in certification and testing and expand services in our North American and global operations.”

As Vice President, Service Delivery, Rose will be responsible to ensure that operational and financial targets are met for CSA International’s North American locations, as well as ensuring that the delivery of services are consistent with, and in support of, corporate and divisional policies and objectives.

Prior to Celestica, Rose was employed by Amphenol Canada Corporation, Powertec Industries, Inc. and Ontario Hydro. She holds a Bachelor of Science in Electrical Engineering from Queen’s University in Kingston, Ontario and an MBA from the University of Toronto.



Bonnie Rose

## Expansion of Cleveland Facility



From left: Randall W. Luecke, President, CSA International and OnSpeX; Robert M. Griffin, President and CEO, CSA Group; Julia Hill, Chair of the Board, CSA Group; Greg Thomas, Board Member, CSA Group; and Susan Dempsey, Vice President and General Manager, OnSpeX.

**O**n March 18, members of the Board of Directors and the Executive Leadership Team of CSA Group were on hand to put the final touches on the new 32,000 sq. ft. lab expansion of the OnSpeX and CSA International facility in Cleveland, Ohio.

The expansion project is connected to the existing 150,000 sq.ft. laboratories of CSA International just south of Cleveland. CSA International’s portion of the expanded laboratories will increase its plumbing and electrical testing and certification capabilities. The combined facility will also house the global headquarters for OnSpeX, the consumer product evaluation division of CSA Group and will serve the global needs of manufacturers and retailers. The proximity of the two organizations supports and facilitates offering parallel testing and related or specialized testing services to manufacturing and retail clients.

“The expanded facilities will enable CSA International and OnSpeX to significantly increase our capacity for meeting the growing needs of our clients,” said Randall W. Luecke, President, CSA International and OnSpeX. “We will offer increased consumer product evaluation services and expand our certification capacities. The expansion of our Cleveland facilities is in concert with other significant physical plant expansions for our companies in Shanghai, Guangzhou and other regions around the world.”

## Innovative Services for Innovative Cars



Tesla Roadster

It’s not every day that an Academy Award-winning actor, a multibillionaire Internet entrepreneur and a former U.S. president (albeit a fictional one) vie for the same prize. But then the electric Tesla Motors Roadster isn’t like

any other car. It is so good that George Clooney, Jeff Skoll (eBay) and Dennis Haysbert (television series 24) have all expressed a desire to buy the first mass market, high-performance electric vehicle.

CSA International played a part by certifying the Tesla Roadster’s Electric Vehicle Service Equipment (EVSE), also known as the Home Charging Station. The EVSE is installed in the garage of the car owner. It is a device for passing mains voltage to the vehicle, where the actual charging circuitry resides.

Dennis Smith, a project engineer with CSA International in Dallas, was first approached by Roger Martin, Director of Quality with Tesla Motors, about certifying the EVSE. Martin had previously worked with Smith and was familiar with CSA International’s excellent service and timely delivery to market.

“Roger and I had worked together on different projects,” says Mr. Smith. “He was able to convince his colleagues, based on our previous work together, that CSA International was the right service provider for Tesla Motors.”

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CSA INTERNATIONAL

# Testing Open Flame

Service, timelines, high quality and access to global markets are the key components for certification and testing organizations in today's business environment. Advancements in technology and an increasingly global economy have amplified both customer requirements and expectations to make testing and certification process faster and more efficient with access to global markets.

CSA International as a leading product testing and certification organization for gas-fired appliances and components sold in North America is the only source for the CSA Star and CSA Flame, North America's most widely recognized and accepted certification marks for gas-fired products. Each year, CSA International tests and certifies hundreds of blenders/food processors, ovens, dish washers, microwaves, toasters as well as barbecues, boilers, furnaces and water heaters, air conditioners, fans, chillers and ventilation equipment. Manufacturers from around the world rely on CSA International experts to test and certify that their products conform to applicable U.S. and/or Canadian standards for safety and performance and provide access to North American and global markets.

In order to keep meeting customers needs and expectations, CSA International is using new testing equipment for measuring surface temperatures. The "booth" and data acquisition systems, designed and built by TestForce, contains thermal sensors placed every three inches, enabling the operator to individually focus on up to 1,800 of the more than 3,000 sensors in a single test. The booth is a five-sided, sensor-laden structure capable of scaling up to 12' wide and 8' high that measures heat outputs of



**Glen Brown tests a barbecue**

open-flame indoor and outdoor cooking appliances such as barbecues. The new booth and data acquisition system decreases product testing time and provides manufacturers with more accurate information in a quicker manner.

"The result is that that we can now use the remote sensors to focus in on hot spots which indicate that the heat being produced is higher than the standard allows," says Glen Brown, Laboratory Technologist, CSA International, who conducts much of the testing. "The thermal booth allows us to reconfigure from a small, gas-fueled camp stove to an eight-foot wide, gas grill in minutes where before it would take about a half-hour of hand cranking."

"What really makes this equipment stand out is that the sensor monitoring units were really designed a plug-and-play units," says Daniel Barbini, Manager, Metrology, CSA International. "The monitoring units recognize the sensor configuration immediately and are able to network instantaneously. In addition, this equipment has special meaning as our colleague Previn Lad, who died suddenly in June 2007, had been the driving force behind the project. Ultimately, this is a tribute to Previn and his vision."

## Global Services for Electro-Medical Equipment

In the global environment with the aging population, one of the fastest growing societal needs is in the health care area. Doctors can do so much but without sophisticated electro-medical equipment we would not have breakthroughs in medical treatments. Innovation and global service offerings are a part of CSA International business as well as timely and high quality service delivery. One of the top business priorities and market segments for CSA International is testing and certification capabilities for electro-medical equipment worldwide. No matter if you are based in Cleveland, Shanghai, Vancouver, Mumbai or Prague and if your product is designed and/or manufactured in North America, Europe or other global regions, CSA International can serve your organization by providing access to North American markets for international customers and access to global markets for exporters.

With highly qualified staff and facilities throughout North America and Asia, as well as Europe, CSA International tests and certifies electro-medical equipment including cardiac defibrillators and

electrocardiographs, incubators and lung ventilators, operating tables and CAT Scan machines among others.

As a National Certification Body in the IECCE CB scheme, CSA International is an expert source for testing to IEC standards. The most recent electro-medical equipment standard, IEC 60601-1 3<sup>rd</sup> Edition is currently being adopted in Europe, the U.S. and Canada. The 3<sup>rd</sup> Edition is based on a risk management approach defined under ISO 14971 (Medical Devices). This is the first risk management approach of its kind in the medical world. ISO 14971 will be used to assess regulatory requirements that will have a significant change to the testing and certification processes. CSA International will continue to test and certify products for conformance to IEC 60601-1 2<sup>nd</sup> Edition and will offer attestation towards certification under IEC 60601-1 3<sup>rd</sup> Edition.

For more information, contact CSA International at **1-866-463-1785** or [cert.sales@csa-international.org](mailto:cert.sales@csa-international.org).

## CSA International Opens Italy Office

CSA International has added a new office in Europe, servicing clients in Italy and surrounding nations. The new office will enable CSA International to serve Italian clients directly and locally.

The office is situated in the north of Italy, near Milan and close to the border with Switzerland. The main focus is certification of electrical appliances and machinery with a growing focus on plumbing equipment. For electrical certifications, refer to Nico Bos, and Roberto Zanola for plumbing equipment certifications.

The new office is located at:

CSA International, Italia  
Via Martiri della Liberazione, 12  
23875 Osnago (LC)  
Italy  
Tel: +39 0395 8260

## CSA International certifies Black & Decker battery-operated tools

Look at the workbenches of most people and you are likely to find at least one Black & Decker power tool. In recent years, cordless power tools have become popular, giving users freer range-of-motion to complete their projects untethered by an electrical cord.

CSA International has had a relationship with Black & Decker for almost 90 years, providing certification to a wide variety of products branded by Black & Decker and its related subsidiaries. Now, CSA International has increased the scope of its relationship with Black & Decker by expanding into the battery-operated power tool lines.

"Currently the battery-operated tools is the fastest growing segment of the power tool industry in North America," says Tony Lui, Business Development Manager, CSA International. "CSA International is very proud of its excellent working relationship with Black & Decker."

Testing of the Black & Decker products, which includes the DeWalt line, currently takes place in Toronto, Canada with the possibility that some testing may take place in China.



# Intermatic Achieves CPC Certification

Intermatic, a CSA client for more than 50 years, is the first wiring devices customer to reach a Category Program for Certification (CPC) level of certification with CSA International. They have also been upgraded to Supervised Manufacturer Testing for Certification (SMTC) for other Wiring Devices products.

Based in Spring Grove, Illinois, Intermatic is an integrated manufacturer of consumer and industrial energy control products. Major product lines are consumer timers, low voltage outdoor lighting, industrial grade timers, photo controls as well as a variety of other products. Intermatic products can be found at most retailers as well as electrical wholesalers.

They were previously on category certification and now have successfully completed their ISO 17025, main standard used by testing and calibration laboratories, requirements to be elevated to CPC. They are qualified to nine major class numbers for CPC and 13 major class numbers under SMTC.



From left: Janusz Pankowski (Lab Manager, Intermatic); Roxan Uren (Lab Technician, Intermatic); Andy Littleton (Lab Technician, Intermatic); Todd Hamden (Certification Specialist, CSA International); Tim Duitsman (Vice President, Engineering, Intermatic); Osvaldo Eskatel (Senior Lab Engineer, Intermatic); Don Berlin (Approvals Manager, Intermatic); Marek Bielak (Lab Technician, Intermatic).

## CSA International's Stephen Robinson achieves NARTE certification

Stephen D. Robinson, a Senior Engineering Technologist with CSA International, has achieved the International Association for Radio, Telecommunications and Electromagnetics (NARTE) certification requirements in electromagnetic compatibility. He is one of the first CSA International employees to achieve this distinction which will enable him to provide clients with another level of confidence in customer service.

NARTE certification is recognized worldwide, confirming the individual's technical excellence. To qualify for NARTE certification, candidates must

present a combination of academic, training and work experience as well as peer endorsement and pass an intense examination.

"As an objective third-party certification body, NARTE has developed a certification process based on measurable skills and experience," says Robinson.

"Without personnel certification, there exists no minimum standard with which to gauge the skills of the practicing Electromagnetic Compatibility (EMC) Technician. The NARTE Certified Technician (NCT) designation will assure CSA International's customers of a level of quality much as do the various

accreditations that CSA International maintains as a company."

Based in New Bern, North Carolina, NARTE is a worldwide, non-profit, professional telecommunications association which certifies qualified engineers and technicians in the fields of Telecommunications, Electromagnetic Compatibility/Interference (EMC/EMI), Product Safety (PS), Electrostatic Discharge control (ESD) and Wireless Systems Installation. Since 1982, NARTE has certified more than 16,000 engineers and technicians those areas.

## CSA Annual Conference

The Canadian Standards Association cordially invites members and their colleagues to CSA's Annual Conference & Committee Week, June 15 to 20 in Calgary, Alberta.

This year's theme is Empowered, Prepared & Protected: Managing Risk. Michael Adams is the keynote speaker. Adams is a noted commentator on social values and social change in North America. He is the founding president of the Environics Group of research and communications consulting

companies, is the author of five books, including the bestselling *Fire and Ice: The United States, Canada, and the Myth of Converging Values*. His most recent book, *Unlikely Utopia: The Surprising Triumph of Canadian Pluralism*, was published last year.

To find out more about the program and agenda – including supporter opportunities that create visibility for your organization in the standards community, visit the CSA annual conference website at <http://annualconference.csa.ca>.

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The Tesla Roadster, which bears a resemblance to classic roadsters like the Ferrari F430 Spider, the Aston Martin Vantage Roadster and the Chevrolet Corvette, can drive more than 200 miles between charges, taking three to four hours to fully charge. The EVSE is hardwired into a circuit in a garage, though plans eventually include a portable charging unit as well.

"This vehicle ultimately satisfies a small but important niche in the marketplace – luxury, high-performance vehicle owners who want a stylish vehicle that does not contribute to environmental degradation at the same levels as most of our contemporaries," says Mr. Martin. "I think we are at the beginning of a sea-change in personal transportation in North America, away from petroleum-burning engines to something more efficient and altogether better for the environment."

## CSA reports online



For the sixth consecutive year, CSA Group is delivering its annual report in an online format. Building on the success of last year's report, the CSA Group Annual Report 2007/2008 will allow visitors a unique and enjoyable experience while providing pertinent information in a clear and concise manner.

CSA Group invites you to review the 2007/2008 Annual Report, available June 9 at [www.csagroup-ar.org](http://www.csagroup-ar.org).



Tesla Roadster

# Upcoming EVENTS

# 2008 SPRING



## CSA Learning Centre

The CSA Learning Centre offers convenient access to the combined training resources of the entire CSA Group. CSA Learning Centre offers scheduled seminars and private on-site training sessions on the following topics:

### ELECTRICAL TRAINING

- Electrical Safety for Professionals - Arc Flash (Developed by Schneider Canada)
- Canadian Electrical Code 2006 Essentials\*
- Static, Transient Voltages and Lightning Protection Systems – Fundamentals - Evaluation - Control **NEW!**
- CEC/NEC - A Comparison of Requirements\*
- Design, Installation and Maintenance of Electrical Equipment in Hazardous Locations
- 2006 CEC Changes **NEW!**
- Conductors **NEW!**
- Motor Installations and High Voltage **NEW!**
- Transformers/Welders **NEW!**

### WORKPLACE SAFETY TRAINING

- Lockout - Control of Hazardous Energy
- Principles of Risk Assessment - based on ISO 14121
- Respiratory Protection Series

- Fall Protection Series
- Z1000 Essentials – OHS Management System Implementation
- Safeguarding of Machinery (in collaboration with IAPA)
- Inspection and Maintenance of Steel Storage Racks
- Fall Protection Series (in collaboration with Fall Protection Group)

### TRAINING

- ISO 22000 Food Safety Management System Series\*
- The ISO 9001:2000 Training Series\*
- The OHSAS 18001 Training Series\*
- The ISO 14001 Training Series\*
- ISO 9001:2000 - Process Auditing\*
- ISO 9001:2000 - Customer Satisfaction\*

### ENVIRONMENTAL MANAGEMENT

- ISO 14064 – Greenhouse Gas Series\* **NEW!**

### INFORMATION SECURITY

- ISO 27001 Essentials **NEW!**

### RISK AND EMERGENCY MANAGEMENT

- Risk Management: A Practical Guideline for Decision Makers **NEW!**
- Emergency Preparedness and Response
- Emergency Electrical Power Supply

### OIL & GAS

- Oil & Gas Pipeline Systems – Based on CSA Z662-07
- Process Piping ASME B31.3 / CSA B51

### DON'T MISS OUT!

- CSA eLearning programs on ISO 9001, ISO 14001 and Z1000

\* available in French and English

For more information, or to register please call **416 747 4017** or **1 800 463 6727**, email [seminars@csa.ca](mailto:seminars@csa.ca) or visit our Web site at <http://learningcentre.csa.ca>

## Conferences and Events

### May

5  
Offshore Technology  
Conference (OTC)  
Houston, TX

6  
National Hardware 2008  
Las Vegas, NV  
Booth 34212

28  
Lightfair 2008  
Las Vegas, NV  
Booth 2926

### June

3  
Medical Design &  
Manufacturing East  
(MD&M East)  
New York, NY  
Booth 2562

10-12  
Global Petroleum  
Calgary, AB  
Booth 7913

17  
NXTComm  
Las Vegas, NV  
Booth SL9520

19-20  
American Backflow Prevention  
Association (APBA)  
Indianapolis, IN

22  
National Environmental Health  
Association (NEHA)  
Tucson, AZ

### August

18-19  
2008 Standards Engineering  
Society Annual Conference  
(SES)  
San Diego, CA

### September

22  
National Safety Association  
Anaheim, CA  
Booth 2900

### October

2  
ISH North America  
Atlanta, GA  
Booth 3114

4  
National Electrical Contractors  
Association (NECA)  
Chicago, IL  
Booth 853

5  
OBOA  
Kingston, ON  
Booth 22

14  
ISA  
Houston, TX

27  
EPE/ASPE  
Long Beach, CA  
Booth 258

27  
Fuel Cell  
Phoenix, AZ  
Booth 413

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For more information about  
Certification News, contact:

### CSA International Public Relations

178 Rexdale Boulevard,  
Toronto, ON Canada M9W 1R3  
Telephone **416-747-4126**  
Fax **416-747-4149**

### EDITOR:

James Harrison

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CSA PUBLIC RELATIONS  
178 REXDALE BOULEVARD  
TORONTO, ON CANADA M9W 1R3  
[james.harrison@csagroup.org](mailto:james.harrison@csagroup.org)

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