

# 2018 Professional Development Opportunity: Conference Attendance Request

Attention: \_\_\_\_\_

Title: \_\_\_\_\_

RE: Request to participate in ISA@Montreal 2018

Submission Date: \_\_\_\_\_

## WHO?

For more than 70 years, **The International Society of Automation (ISA)** has served as the leading source of technical content and resources for automation professionals.

## WHEN & WHERE?

ISA will host its new **ISA@Montreal Symposium in Montreal, Quebec, CA** with **training being held on 15 October** and the **conference on 16-17 October**.

## WHAT?

**ISA@Montreal 2018**, is sponsored jointly by the ISA Food and Pharmaceuticals, Automatic Controls and Robotics, Construction and Design, and Process Measurement and Control Divisions. The Symposium will bring together an array of automation industry professionals from various disciplines to present on best practices, emerging technologies, developments, and applications.

The 2018 technical conference program features **training courses** led by industry experts, **technical presentations**, a **vendor showcase exhibition**, as well as numerous **networking opportunities**.



## WHY?

**I would like to request approval to attend this conference!** I believe my participation in this event is critical to my professional development and would bring new ideas and approaches to my position and our organization.

### Topics/areas to be covered include:

#### Construction and Design

- ISA and Other-Related Industry Standards
- Design Optimization—Trending Technologies in Automation
- Design Optimization—Software Tools
- Constructability Within Design
- Replacement of Legacy Systems
- Pre-commissioning/Commissioning
- Project Management
- Project Economics

#### Food and Pharmaceutical

- Data Integrity
- Serialization/Track and Trace
- OEE, PAT, GAMP
- Paperless Automation
- Continuous Manufacturing
- Manufacturing Regulations
- Single-Use/Plug and Play
- Validation of Automation Systems in Pharmaceutical Industries

#### Instrumentation, Communications, and Test Measurement

- Sensors
- Transducers
- Wireless, Electromagnetic, and RFID
- Remote Sensing
- Environmental Monitoring
- Laser and Electro-Optics

- Control Systems Maintenance
- Metrology
- Telemetry
- DSC, SCADA Systems
- Platform Testing
- Test Facilities

#### Industrial Control and Modern Heuristics in Automation

- Process Modeling, Artificial Neural Networks, Multivariable Statistical Control
- Model-Predictive Control, Adaptive Control, Fuzzy Logic Control
- Advance Techniques for Control and Monitoring
- Computer and Machine Vision Technology for Factory Automation
- Supervisory and Intelligent Control
- Computer Implementation of Control Systems
- Intelligent Systems and Control, Modern Heuristics, and Data Mining in Automation and Industrial Applications
- Hardware Optimization Based on Computational Intelligence Techniques

#### Manufacturing Systems Automation

- Intelligent Control
- Formal Modeling and Analysis
- Discrete and Continuous Industrial Automation Systems
- Manufacturing Execution Systems and Enterprise Integration

- Standardization Best Practices and Recent Developments

#### Robotics and Intelligent Systems

- Navigation, Control and Manipulation for Intelligent Robots and Systems
- Cognitive, Cooperative and Collaborative Robotics
- Perception, Environment Description and Map Building
- Human-Robot Interaction in Industry
- Intelligent Embedded Systems
- Multi-Agent Systems and Distributed Robotics Architectures
- Sustainable Robotics and Applications
- Robot Learning, Programming and Manipulation Techniques
- Network/Industrial Robotics—Best Practices
- Advanced Sensors and Vision Systems
- Advanced Applications of Autonomous Robots

#### Hot Topics and Critical Industrial Operations

- Industrial Cybersecurity
- Process Safety/SIL/Risk Analysis
- Sustainable Processing
- Alarm Management
- Industrial Internet of Things (IIoT)
- Usage of Cloud for Automation
- Process Measurement, Control & Optimization
- Environmental Practices

CONTINUED ►

**HOW?**

I plan to **attend the following sessions** to obtain valuable information and strengthen my professional development.

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

I plan to **meet with the following exhibitors** to discuss potential process solutions for our organization’s operational efficiency and profitability.

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

As available, session descriptions and a listing of exhibitors can be found at [www.isa.org/ISAat2018](http://www.isa.org/ISAat2018)

**INVESTMENT?**

**Projected investment** for attending the 2018 ISA@Montreal Symposium:

Travel/Attendance	Amount	Description/Comments
Conference Fees	\$	
Training Fees	\$	
Hotel	\$	
Airfare	\$	
Transportation	\$	
Meals	\$	
Miscellaneous	\$	
<b>Estimated Investment</b>	<b>\$</b>	

Through my attendance and the valuable knowledge I will be able to gain, this investment will show a potential return of increased productivity, more efficient practices, new insights/ideas, as well as possible proven solutions. Upon my return, I will also provide a trip report summary with key takeaways and recommended actions.

I would appreciate your approval of this request, and will ensure we get the full value out of my participation in this event.

Thank you for your review and consideration!

**Employee:** \_\_\_\_\_ **Title:** \_\_\_\_\_

**Phone:** \_\_\_\_\_ **Email:** \_\_\_\_\_