



International Society of Automation
Setting the Standard for Automation™

ANNUAL REPORT

2019



Mission, Vision, Values

VISION: Create a better world through automation



MISSION: Advance technical competence by connecting the automation community to achieve operational excellence

VALUES

Excellence

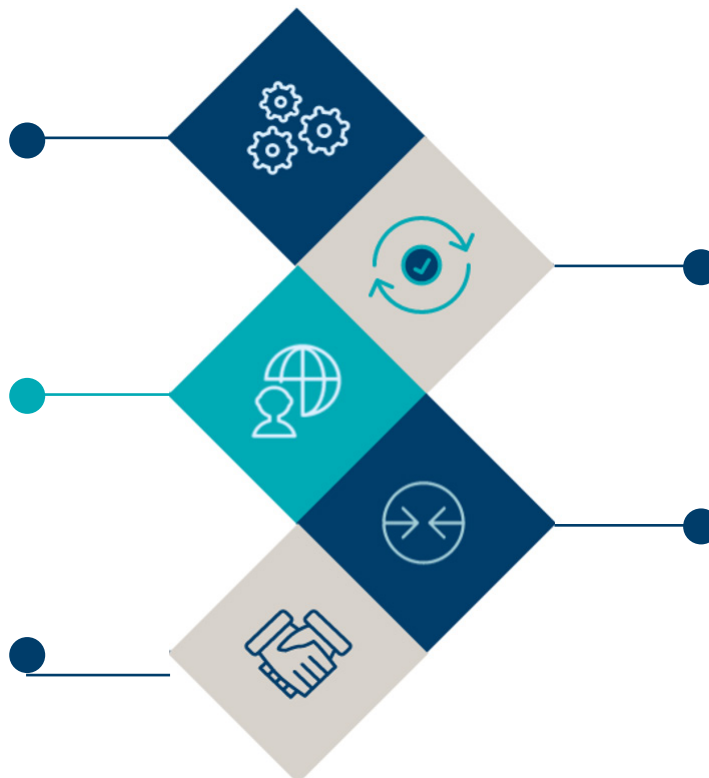
We provide industry-leading, unbiased content developed and vetted by a community of experts

Diversity and Inclusion

We strive to be a global, diverse, and welcoming organization

Professionalism

We uphold the highest standard of competence and skill in everything we do



Integrity

We act with honesty, integrity, and trust, respecting others in all that we do

Collaboration

We seek out opportunities to work together for the benefit of the Society, its members, and our profession

Objectives

Industry Reach and Awareness

Establish and advance ISA's relevance and credibility as the home of automation by anticipating industry needs, collaborating with stakeholders, and developing and delivering pertinent technical content.



Member Development and Engagement

Enhance member value and expand engagement opportunities to nurture and grow a more diverse and global community to advance the automation profession.



Technical Education and Certification

Become the recognized leader in automation and control education, providing training, certifications, and publications to prepare the workforce to address technology challenges in the most flexible and relevant ways.



Leadership and Business Skill Development

Create opportunities for members to improve critical leadership skills, to build a network of industry professionals, and to develop the next generation of automation professionals.



Membership Year-End Summary

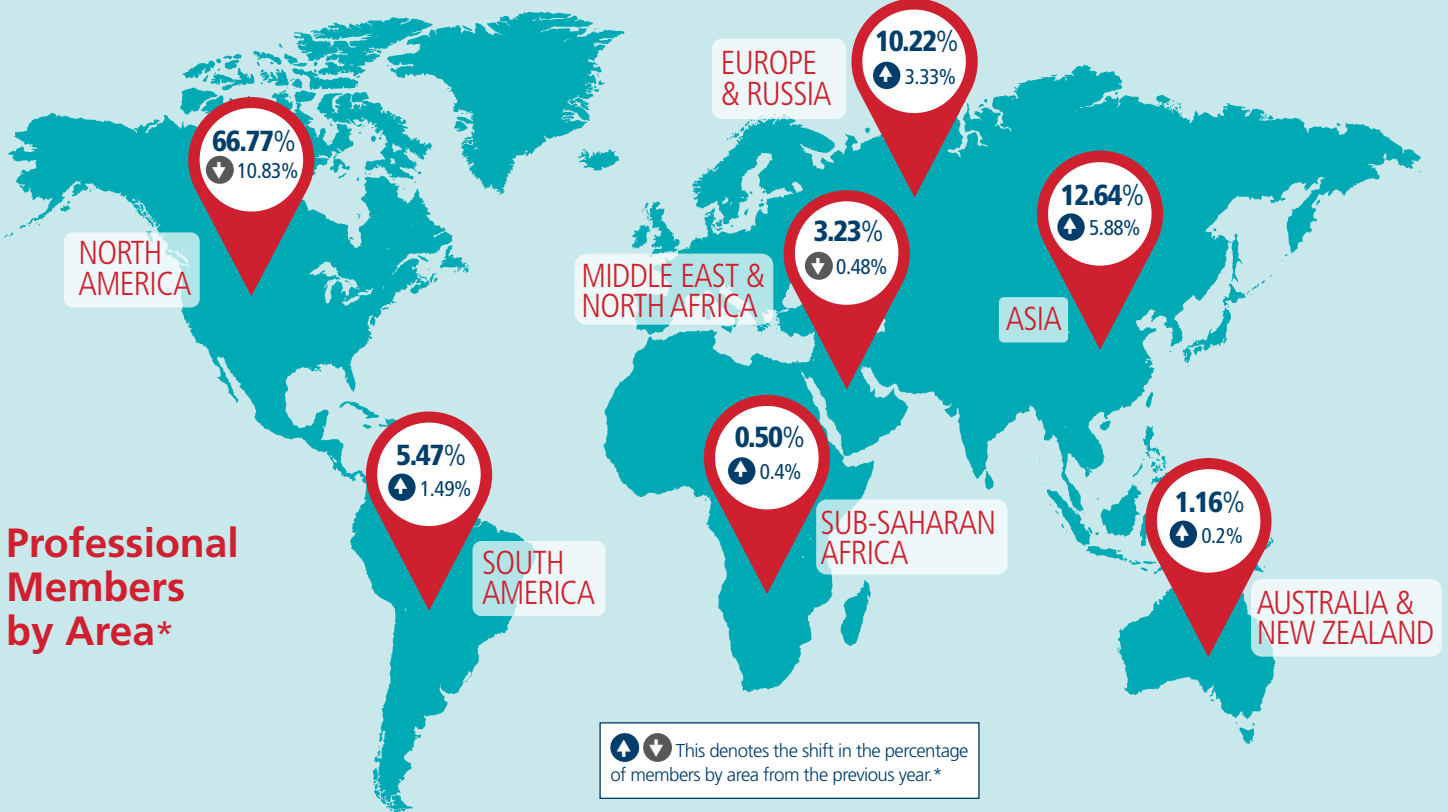
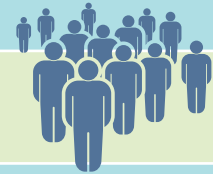
2019

Total Members	38,253
Professional Members <ul style="list-style-type: none"> Retention Rate: 75.31% Growth Rate: 0.89% Professional members in 116 countries ISA Sections: 131 	13,970
Student Members <ul style="list-style-type: none"> Retention Rate: 15.09% Growth Rate: -3.32% Student members in 60 countries ISA Student Sections: 142 	3,228
Automation Community Subscribers	21,055



2018

Members	37,369
Professional Members <ul style="list-style-type: none"> Retention Rate: 74.49% Growth Rate: -1.08% 	13,843
Student Members <ul style="list-style-type: none"> Retention Rate: 16.62% Growth Rate: 3.55% 	3,379
Automation Community Subscribers	20,147



Professional Members by Area*

Highest Retention

Professional Members*	
District 13	82.19%
District 5	82.05%
District 6	82.01%

Student Members	
District 12	28.80%
District 10	26.76%
District 11	25.00%

Highest Growth

Professional Members*	
District 12	15.54%
District 14	11.02%
District 7	1.79%

Student Members	
District 3:	69.23%
District 11:	60.00%
District 8:	37.35%

Districts by Location

1–Upper Northeast US, 2–Northeast US, 3–Southeast US and the Caribbean, 4–Brazil, 5–Great Lakes, 6–Midwest US, 7–South US, 8–Central US, 9–Central and South America (Spanish-speaking), 10–Northwest US and Northwest Canada, 11–Southwest US and Australia, 12–Europe, Middle East, and Africa, 13–Northeast Canada, 14–Asia Pacific

*Does not include automation community subscribers

EVENTS



■ North America

- Analysis Division Symposium
- Energy & Water Automation Conference
- Process Industry Conference
- Strategic Leader Meeting
- Annual Leadership Conference

■ Asia

- Vietnam Event
- Thailand Event
- Malaysia Event
- Analysis Singapore Symposium

■ Europe and Russia

- Analysis Russia Symposium

■ Middle East and North Africa

- Analysis UAE Symposium
- Analysis Saudi Arabia Symposium
- Process Measurement and Control UAE Symposium
- Kuwait Event
- Saudi Arabia East Region Event
- Oman Digital Transformation Event
- UAE Digital Transformation Event

Event Partner Organizations

- American Institute of Chemical Engineers
- ARC Advisory Group
- Center for Operator Performance
- Industrial Internet Consortium
- Society of Manufacturing Engineers
- Society of Petroleum Engineers
- Society for Underwater Technology
- Texas A&M University
- The Open Group

TOP 5 Training Courses by revenue and attendance

IC32E

Cybersecurity
for Automation,
Control, and
SCADA Systems

TS00

Certified
Control Systems
Technician®
(CCST®) Level I
Review Course

TTBC

ISA Technician
Training
Boot Camp

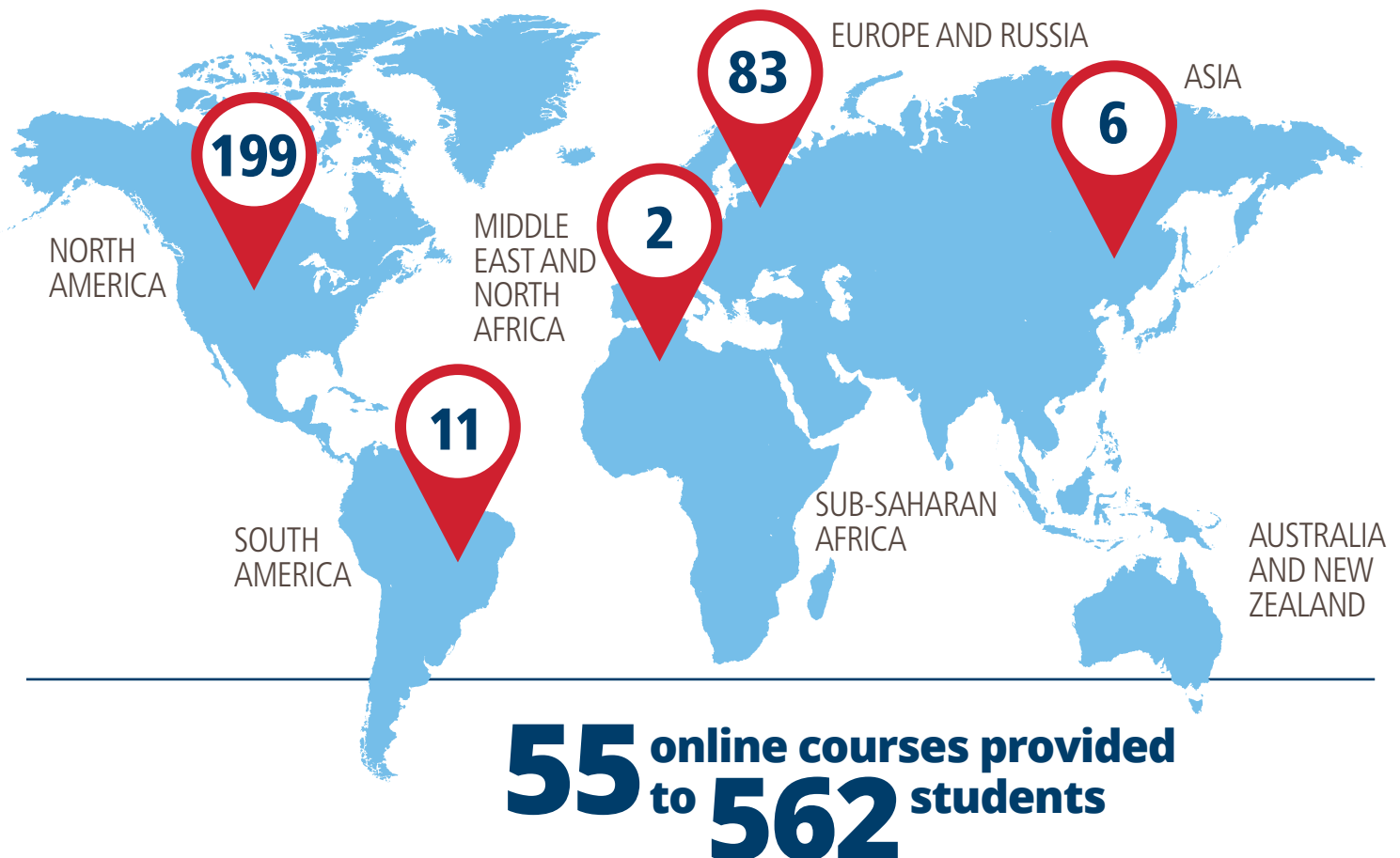
EC50

Safety
Instrumented
Systems—
A Life-Cycle
Approach

FG07

Introduction
to Industrial
Processes,
Measurement
and Control

301 Training courses conducted around the world



CERTIFICATION

ISA Certified Automation Professional® (CAP®)

690 Certified Automation Professionals worldwide

↑ 124 in 2019



ISA Certified Control Systems Technician® (CCST®)

2,729 Certified Control Systems Technicians worldwide

↑ 404 in 2019



ISA/IEC 62443 Cybersecurity Certificate Program



ISA/IEC 61511 Safety Instrumented Systems Certificate Program



InTech and InTech Focus

9

Issues
Published



January/February



March/April



May/June

60+

InTech magazine
feature articles
and columns



July/August



September/October



November/December

45,000+

InTech magazines
printed

15

InTech Focus
ebook
articles
covering
automation
basics



March



May



September

145,000+

InTech Focus digital distribution

Newsletters



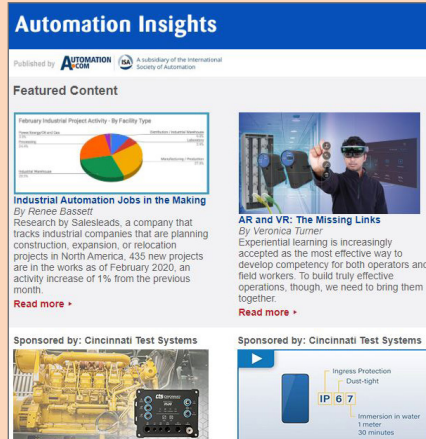
InTech Plus Published by ISA

Welcome to InTech Plus, the International Society of Automation's online eNewsletter that connects automation professionals to all things automation.

Applying data science to hazard analysis
By Edward M. Marszal
This article discusses the use of standardized data structures that are already revolutionizing PHA documentation. Extending these standardized data structures will allow the development of tools that can display a single set of data as a HAZOP worksheet, LOPA worksheet, or low-lie diagram.
[Read more](#)

Asset Monitoring with Advanced Analytics
In process industries, engineers are tasked with optimizing operations. Discover how Seeq eliminates the need for this manual work and enables engineers to monitor asset

Energy Company Transforms Data into Insights
Oil and Gas exploration and production companies generate huge volumes of data. Learn how Devon Energy implemented advanced data historian and analytics.



Automation Insights Published by AUTOMATION.COM A subsidiary of the International Society of Automation

Featured Content

Feature Industrial Project Activity - By Facility Type
By Renee Bassett
Research by Salesleads, a company that tracks industrial companies that are planning construction, expansion, or relocation projects in North America. 435 new projects are in the works as of February 2020, an activity increase of 1% from the previous month.
[Read more](#)

AR and VR: The Missing Links
By Veronica Turner
Experiential learning is increasingly accepted as the most effective way to develop competency for both operators and field workers. To build truly effective operations, though, we need to bring them together.
[Read more](#)

Sponsored by: Cincinnati Test Systems

Ingress Protection
Dust-tight
IP 67
Immersion in water
1 meter
30 minutes



Electrical & Control Panels Published by AUTOMATION.COM A subsidiary of the International Society of Automation

Featured Articles

HMIs Open the OEM Machinery Aftermarket
By Marcia Gadbois
New technology is making it possible for these OEMs to re-engineer their processes and operations, better support their customers, and capture increasing aftermarket business.
[Read more](#)

Modernizing Non-Technical Industries with Low Power Wide Area IoT Connectivity Services
By Kent Lynch
Whether it is delivering propane for residential heat, optimizing industrial operations, reducing energy consumption in cities or reducing water loss through smart metering and water management solutions, an entire ecosystem of partners has the opportunity to provide limitless societal and economic benefit, delivering on the ultimate

14 InTech Plus editions

28 Automation Insights editions

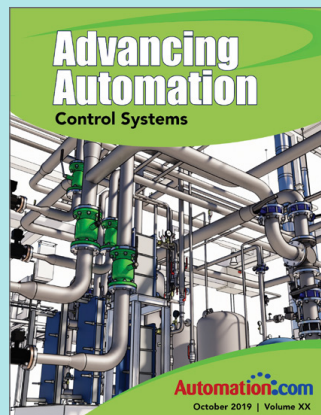
28 Technology Focus (topical) editions

126,000 to 137,000+ global circulation per edition

Advancing Automation Ebooks

6 Issues published

- February
- April
- June
- August
- October
- December



30+ Features and Columns

Webinars

9 Web seminars



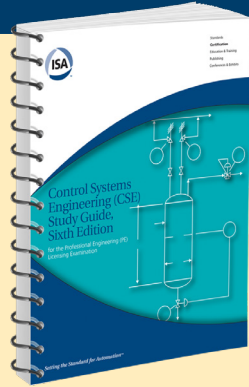
300-500+ Attendee registrations each

1,900+ Total attendees/viewers served

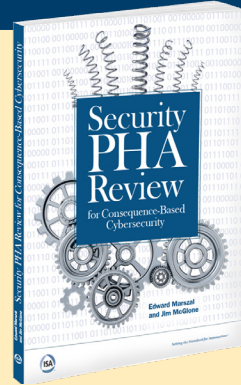
Books

6

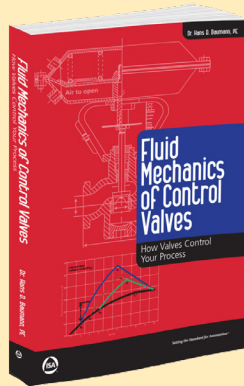
New
Books
Published



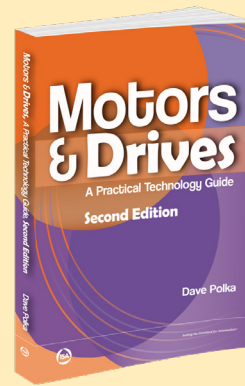
Control Systems Engineering (CSE) Study Guide, Sixth Edition



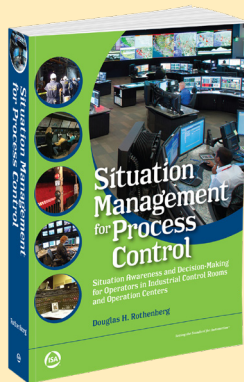
Security PHA Review for Consequence-Based Cybersecurity



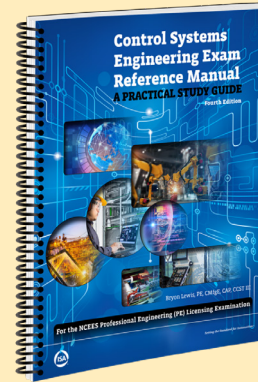
Fluid Mechanics of Control Valves: How Valves Control Your Process



Motors & Drives: A Practical Technology Guide, Second Edition



Situation Management for Process Control: Situation Awareness and Decision Making for Operators in Industrial Control Rooms and Operation Centers



Control Systems Engineering Exam Reference Manual: A Practical Study Guide for the NCEES Professional Engineering (PE) Licensing Examination Fourth Edition

6 New standards published

ISA-TR101.02, HMI Usability and Performance

ISA-TR84.00.03, Automation Asset Integrity (AAI) of Safety Instrumented Systems

ANSI/ISA-67.01.01, Transducer and Transmitter Installation for Nuclear Safety Applications

ANSI/ISA-75.05.01, Control Valve Terminology

ISA-77.42.01, Fossil Fuel Power Plant Feedwater Control System

ISA-77.82.01, Selective Catalytic Reduction Control Systems for Fossil Power Plants

Highlights

An Underwriters Laboratories appeal panel ruled in favor of ISA's appeal of UL 2900-2 (Cybersecurity for Industrial Control Systems) as overlapping/duplicating ISA/IEC 62443, preventing the UL document from being approved as an American National Standard and IEC standard.

ISA95 & IEC/ISO JWG5, Enterprise-Control Systems Integration, held a three-day meeting at the Purdue Manufacturing Institute during the plenary meeting of ISO TC184, Automation Systems & Integration.

ISA99 /IEC TC65 WG10, Industrial Automation & Control System Security, held a three-day meeting in Mannheim, Germany in conjunction with the Industry Meets IT 2019 conference.

ISA's first HMI standard, ANSI/ISA-101.01, Human-Machine Interfaces for Process Automation Systems, was approved for adoption/development as an IEC standard.

Followers by platform



300,700



90,866



5,795



21,400



6,570



537,400

Social media is the second largest driver of traffic to the ISA website, behind organic search.

Instagram had explosive growth in 2019. Followers of the account are up over 859% from 2018.



FINANCIALS

2019 Operational Net

Actual: +184,020 / Budget: +60,967

ASSETS

Current Assets.....	4,942,379
Marketable Securities.....	27,887,531
Fixed Assets.....	4,302,952
Subsidiary and Other Assets.....	1,112,445
Total Assets.....	38,245,307

LIABILITIES AND NET ASSETS

Total Liabilities.....	6,955,027
Net Assets.....	27,479,864
YTD Surplus.....	3,810,416
Total Liabilities and Net Assets.....	38,245,307

REVENUE BY STRATEGIC INITIATIVE



Industry Reach and Awareness:3,077,832



Technical Education and Certification:7,880,467



Membership Development and Engagement:1,208,491



Leadership and Professional Skill Development:121,819



2019 EXECUTIVE BOARD



PRESIDENT
Paul Gruhn, P.E., CFSE
aeSolutions



PRESIDENT-ELECT SECRETARY
Eric Cosman
OIT Concepts, LLC



PAST PRESIDENT
Brian Curtis, I.Eng., LGCI
*Veolia Energy Services
Ireland Ltd.*



TREASURER
Jon DiPietro
Liberty Digital Marketing



Mark Arkell
JMP Solutions



Marty Bince
TEC Edmonton



Nilangshu Dey
Qatar Petroleum



**James Haw, P.E.,
PMP, CMRP**
OOGC



Carlos Mandolesi
Sigma Automação



Matthew Maynard
*Francis Tuttle
Advanced Technical
Center*



**Steve Mustard, P.E.,
B.Eng., C.Eng., CAP, GICSP**
*National Automation,
Inc.*



Mary Ramsey
ISA



Scott Reynolds
Johns Manville



Dawn Schweitzer
*Eastman Kodak
Company*



Prabhu Soundarrajan
*Honeywell Safety and
Productivity Solutions*



Dr. Maurice Wilkins
Yokogawa UK Ltd.



Shari Worthington
Telesian Technology, Inc.