

# All About ISA

Presenter Name



**International Society of Automation**  
*Setting the Standard for Automation™*



**International Society of Automation**  
*Setting the Standard for Automation™*

## ISA is the leading professional society for automation



Developer of 120+ consensus **standards** used around the world, including ISA/IEC 62443 for OT cybersecurity, ISA-95, ISA-18, ISA-112 and ISA-5



Globally recognized **training and certification** for OT cybersecurity, safety and automation professionals



Publications and **technical content** on ISA's media arm, Automation.com



**Industry consortia** and conformity assessment offerings for OT cybersecurity and wireless connectivity: ISA Global Cybersecurity Alliance, ISASecure and ISA100 Wireless



**Conferences**, exhibits and career development



**Mimo®**: the world's first LLM trained exclusively on automation content

**18,790 automation professionals** around the world are **ISA members**. Want to join them?

[www.isa.org](http://www.isa.org)

# Vision

Create a better world through automation

# Mission

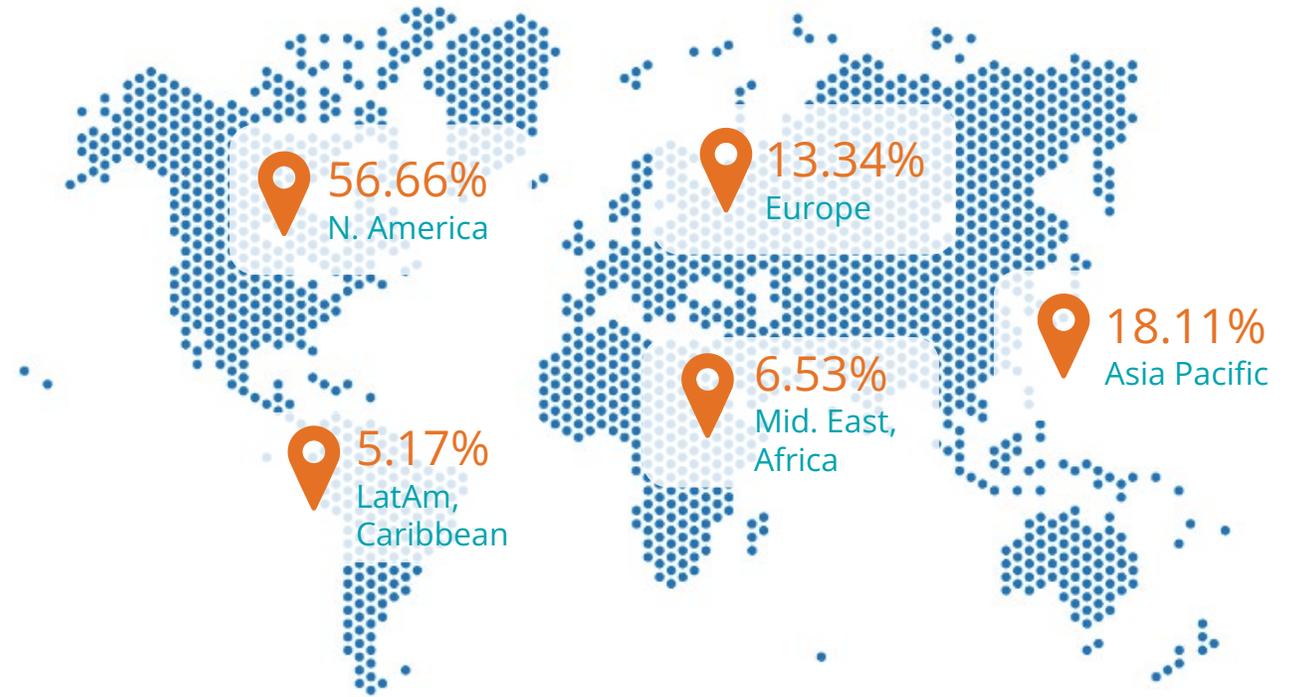
Empowering the global automation community through standards and knowledge sharing

# Values

Excellence | Integrity | Diversity and Inclusion |  
Collaboration | Professionalism

# ISA by the Numbers

**18,790** members across the globe:



120

Standards

18

Personnel  
Credentials

8

Product & System  
Certifications

15K

Professionals  
Trained

# Knowledge Sharing

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Standards, Training, Credentials, Conformity Assessment



**International Society of Automation**  
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# 120 Standards 4,900 Volunteers 40 Countries

- ISA is an **ANSI-accredited** standards developer committed to open, consensus-based process
- ISA developed **ISA/IEC 62443** standards – the world’s only consensus-based automation and control systems cybersecurity standards

## Our standards focus on:

Alarm Management for the Process Industries (ISA-18)
Batch Process Control (ISA-88)
Cybersecurity for Industrial Automation & Control Systems (ISA-99 / 62443)
Enterprise-Control System Integration (ISA-95)
Field Device Tool Interface Specification (ISA-103 / 62453)
Functional Safety – Safety Instrumented Systems (ISA-84 / 61511)
Human-Machine Interfaces (ISA-101)
Instrumentation Symbols and Documentation (ISA-5 and ISA-20)
Intelligent Device Management (ISA-108)
Loop Checks, Calibration, Commissioning, and FAT/SAT (ISA-105)
Power Plants, Fossil and Nuclear (ISA-67 and ISA-77)
Procedure Automation for Continuous Process Operations (ISA-106)
Supervisory Control and Data Acquisition (SCADA) (ISA-112)
Valves / Valve Actuators (ISA-75 and ISA-96)
Wireless Systems for Industrial Automation (ISA-100)
Additional Topics (ISA-7, ISA-12, ISA-60, ISA-71, ISA-76, ISA-82, ISA-92)

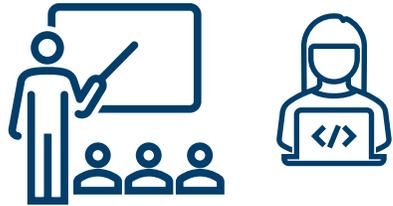
Learn more: [isa.org/standards](https://isa.org/standards)

# ISA Training

Developed by **real-world experts.**

Focused on the most **relevant topics** and **vital technologies.**

**Unbiased** and **vendor neutral.**



## Flexible Formats

Classroom, virtual classroom, on site, instructor-guided online, and self-paced, modular formats



## Build Toward Certification

Document your skills and credentials with the opportunity to earn certificates and professional development credits



## Taught by Experts

Courses are developed and taught by automation leaders and subject-matter experts



## Theory and Application

Lectures and hands-on exercises help deepen your knowledge

Learn more: [isa.org/training](https://isa.org/training)



# Benefits of ISA Credentials



## Individuals

Documents education, knowledge, and experience

Provides an objective, third-party assessment of skill levels

Provides a tangible way to validate industry experience

Increases preparation for additional job responsibilities



## Employers

Recognizes automation professionals with the appropriate credentials and helps accelerate workforce development

Provides hiring and promoting qualifications for managers

Promotes safety and efficiency

Improves productivity and increases ROI by impacting mission-critical decisions

# ISA Certification Programs



## ISA Certified Automation Professional®

Demonstrates expertise and  
knowledge of automation and controls



## ISA Certified Control Systems Technician®

Three levels – technician, specialist,  
master – to demonstrate knowledge of control systems

# ISA Certificate Programs



## Cybersecurity

Four certificates – fundamentals, risk assessment, design, and maintenance – with an expert tier for achieving all four



## Automation Project Management Specialist

Program for project managers who need to execute automation projects effectively



## Safety Instrumented Systems

Three certificates – fundamentals, selection, and verification – with an expert tier for achieving all three



## CAP Associate

Validate job skills to excel as an automation professional



## CST Associate

Validate job skills to excel as a control systems technician



## Fire and Gas Mapping Specialist

Validate job skills to excel in fire and gas systems



## ISA-95/IEC 62264 Enterprise-Control System Integration Fundamentals Specialist

# Consortia and Conformity Assessment

- ISA leads collaborative forums for industrial cybersecurity and interoperability



## ISASecure Certification Schemes:

- Component Security Assurance (CSA)
- IIoT Component Security Assurance (ICSA)
- System Security Assurance (SSA)
- Security Development Lifecycle Assurance (SDLA)
- IACS Security Assurance (ACSSA)

## ISA100 Wireless:

- Device Certification
- System Certification
- Stack Certification

# ISA Consortia Overview



**ISA100  
Wireless**

**ISA100 WCI** – ISA100 Wireless Compliance Institute provides assured interoperability for wireless products. [www.isa100wci.org](http://www.isa100wci.org)



**ISASecure**

**ISASecure** – ISA/IEC 62443 cybersecurity certification of COTS products, supplier development processes and automation at asset owner operating sites [www.isasecure.org](http://www.isasecure.org)



**ISA GLOBAL  
CYBERSECURITY  
ALLIANCE**

**ISAGCA** – Bridge the gap between ISA/IEC 62443 standards and market adoption. Lead cybersecurity culture transformation. <https://isagca.org>



**ICS4ICS**  
Incident Command System  
for Industrial Control Systems

**ICS4ICS** – Incident Command System for Industrial Control Systems establishes a standing organization and playbook for responding to cyber attacks on automation in critical infrastructure. [www.ics4ics.org](http://www.ics4ics.org)



# Thought Leadership

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Content, Events, News and Publications



**International Society of Automation**  
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# Events and Conferences

**Award-winning** events — in-person and virtual

[isa.org/events](https://isa.org/events)



## OT Cybersecurity Summit

[otcs.isa.org](https://otcs.isa.org)

Prague | 16-18 June 2026



## Automation Summit and Expo

[ase.isa.org](https://ase.isa.org)

Lake Buena Vista, FL, USA | 27-29 September 2026  
Nashville, TN, USA | 18-19 October 2027



**OT CYBERSECURITY  
SUMMIT**

**16-18 June 2026**

**Prague, Czech Republic**



**[otcs.isa.org](https://otcs.isa.org)**



[ase.isa.org](http://ase.isa.org)



## **The Automation Event of the Year 28-29 September 2026**

**Walt Disney World® Swan and Dolphin Resort,  
Florida, USA**



## **Honors & Awards Gala**

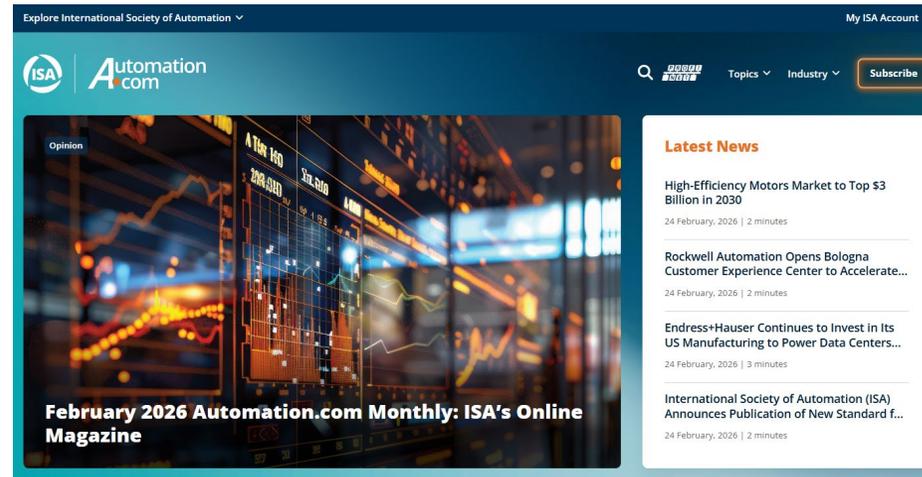
**Wizarding World of Harry Potter  
with exclusive ride access**

# News and Publications

- ISA is your source for industry news and technical resources from subject-matter experts



Books: available through Wiley



Automation.com: news and technical content



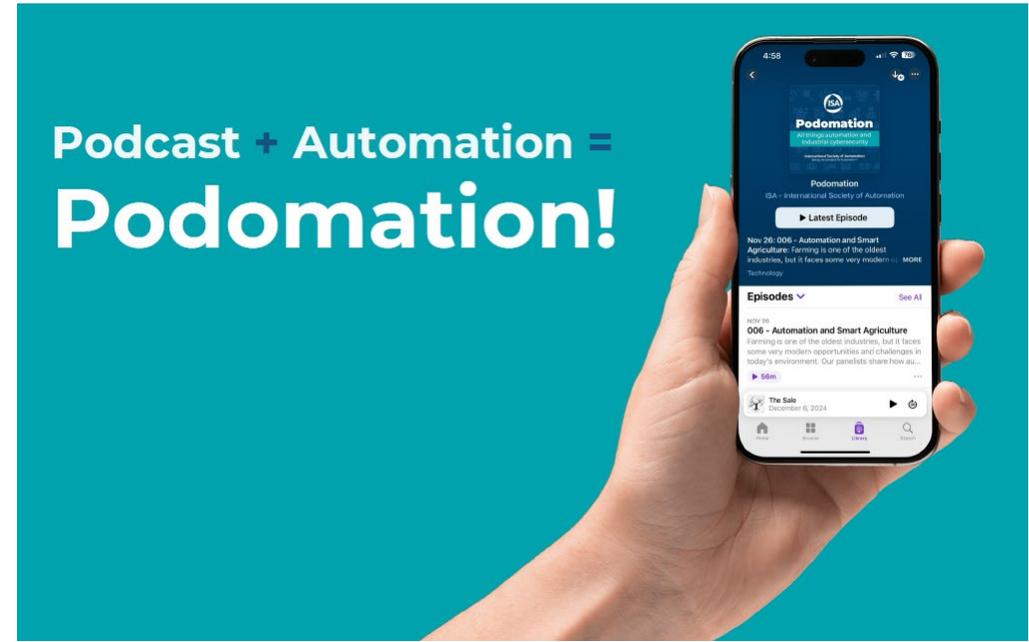
ISA news, press releases

# Podomation

## ISA's Official Podcast

Podomation takes a broad approach to the big issues impacting industrial automation and brings together panels of subject-matter experts for technical yet spirited conversations.

- **6,412** downloads
- **8** episodes
- **60** countries listening and watching



# Access ISA Content — Pub Hub

## An ISA Member Benefit

- ISA standards, best practices and technical reports, *InTech* archives, conference recordings, position papers, white papers, webinars, e-books, e-magazines and more!
- User-friendly format — browse, search, navigate, annotate and save



# Have you met Mimo®?

[isa.org/mimo](https://isa.org/mimo)

An AI-powered large language model trained on ISA content



2025  
// **CODiE** //  
FINALIST



ASSOCIATION **TRENDS**

Empowering Associations & Industry Partners

# Look Who's Talking

ISA and its subject-matter experts have appeared in:

Nasdaq

**TradeTalks**

**WRAL NEWS**

**CONTROL**

**MANUFACTURING  
AUTOMATION**

**SDC SUPPLY & DEMAND CHAIN  
EXECUTIVE**

**CONTROL  
ENGINEERING**

**Processing**  
SOLUTIONS FOR PROCESS MANUFACTURERS

**DARKREADING**

**CEO UPDATE**

**IEN**  
INDUSTRIAL EQUIPMENT NEWS

**ams**  
automotive manufacturing solutions

**Industrial  
Cyber**

  
**ASSOCIATION INSIGHTS**  
The Go-To Source for Tomorrow's Association Leaders

 **CHEMICAL  
ENGINEERING**  
ESSENTIALS FOR THE CPI PROFESSIONAL

 **industrial ethernet book**  
Industrial Networking & IIoT

 **ADVANCED** | sme  
MEDIA  
**MANUFACTURING.ORG**

 **ASSOCIATION  
Rockstars**

**FOOD  
ENGINEERING**

**FOOD  
Manufacturing**

 | **Automation  
.com**

# Community

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Membership, ISA Connect, Young Professionals, Students



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# International Automation Professionals Day

## 28 April

[isa.org/iapd](https://isa.org/iapd)



# ISA Membership

## Together, We Create the Future of Automation



### Connect

- Engage in cross-sector technical discussions on ISA Connect Forums.
- Network with automation professionals through geographic sections.
- Build connections through conferences, webinars and online discussions.



### Grow

- Explore opportunities and build your resume with ISA Career Center.
- Post job openings and access over 50,000 automation professionals.
- Serve on a standards committee.



### Learn

- Access over 135 standards that reflect leading industry expertise.
- Read the latest in industry information through our online news sources.
- Take training designed to build technical and leadership knowledge skills.
- Earn professional credentials that document your skills and set you apart.

# ISA Connect



## Award-winning technical and networking community



Standards Certification Training Membership Events Publications News About



Home Society Groups Engage Resources



Welcome back,  
**Liz Neiman!**

160 unread messages

[Welcome, Join ISA Today!](#)



Expand

FEATURED TOPIC

### OT ASSET DISCOVERY

Do you have any experience with OT asset discovery tools-either installing them or using them temporarily in your OT environment?

[Contribute Your Thoughts →](#)



**Unlock Immediate Benefits!**  
Join now and get the rest of the year free!



LATEST ACTIVITY WITHIN YOUR COMMUNITIES



### IT-OT Convergence

Yusfarizal Yusoff in Industrial and Operational Technology (OT) Cybersecurity about 1 month ago

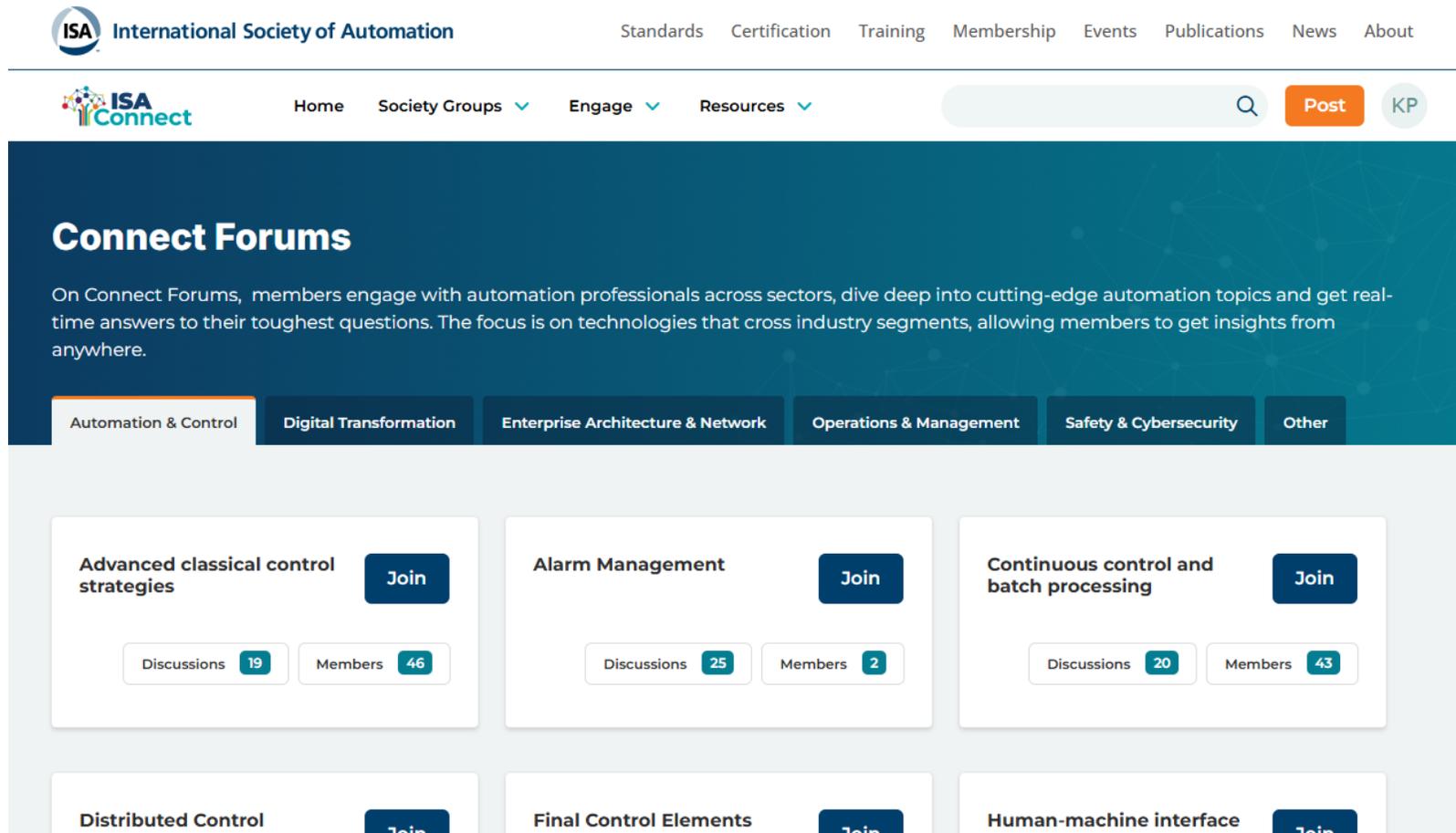
Discussion

What would be the best approach for IT-OT convergence that balance the cybersecurity and availability requirements? -----



# Connect Forums

Cross industry segments and get insights from anywhere



The screenshot shows the ISA Connect website interface. At the top, the ISA International Society of Automation logo is on the left, and a navigation menu with links for Standards, Certification, Training, Membership, Events, Publications, News, and About is on the right. Below this is a secondary navigation bar with Home, Society Groups, Engage, and Resources, along with a search bar, a Post button, and a KP profile icon. The main content area features a dark blue header with the title 'Connect Forums' and a descriptive paragraph. Below the header is a horizontal menu with categories: Automation & Control, Digital Transformation, Enterprise Architecture & Network, Operations & Management, Safety & Cybersecurity, and Other. The main content displays three forum cards, each with a title, a 'Join' button, and statistics for discussions and members.

Forum Topic	Discussions	Members
Advanced classical control strategies	19	46
Alarm Management	25	2
Continuous control and batch processing	20	43

# ISA Sections

A section is a group of **professional** members who have chosen to affiliate around a specific geographic area.

Sections exist to support the mission and vision of the Society, governed by and subject to all policies and procedures set by ISA.

Sections develop **activities in response to local needs.**



**101** Sections in **33** countries

# Section-Sponsored Training

- ISA sections offer quality single- or multi-day educational training programs to a local audience at an affordable price
- Collaboration between ISA HQ and ISA Sections
- Benefits to the Section:
  - Membership growth opportunity
  - Revenue sharing

Code	Title
<a href="#">DT101</a>	Introduction to IIoT—The Industrial Internet of Things
<a href="#">DT102</a>	Introduction to Big Data
<a href="#">DT103</a>	Introduction to Data Visualization
<a href="#">EC00</a>	Certified Automation Professional (CAP) Exam Review Course
<a href="#">EC50</a>	Safety Instrumented Systems: A Life-Cycle Approach
<a href="#">EC50CT</a>	Introduction to Safety Instrumented Systems for the Process Industry
<a href="#">EC52</a>	Advanced Safety Integrity Level (SIL) Selection
<a href="#">EC54</a>	Advanced Design & SIL Verification
<a href="#">EN00</a>	Control Systems Engineering (CSE) PE Exam Review Course
<a href="#">IC32</a>	Using ISA/IEC 62443 Standards to Secure Your Control Systems
<a href="#">IC33</a>	Assessing the Cybersecurity of New or Existing IACS Systems
<a href="#">IC34</a>	IACS Cybersecurity Design & Implementation
<a href="#">IC37</a>	IACS Cybersecurity Operations & Maintenance
<a href="#">MT01</a>	Automation Project Management Specialist Certificate
<a href="#">TS00</a>	Certified Control Systems Technician (CCST) Level I Review
<a href="#">TS02</a>	Certified Control Systems Technician (CCST) Level II Review
<a href="#">TS03</a>	Certified Control System Technician (CCST) Level III Review

# Resources

## Career Planning, Young Professionals and Students

### Career Center

A valuable tool for candidates and hiring managers — post a position, share your resume and search for career guidance in a community devoted to automation

### ISA Business Academy

A **10-week** mini-MBA program offering leadership training as part of a cohort of peers from the automation industry

### Mentoring Program

Connecting early career professionals to more seasoned professionals who are willing to help coach, guide and share expertise

### Young Professionals and Students

Dedicated networking via the Young Professionals Committee; scholarship programs; Student Simulation Showdown

# But Don't Just Take Our Word for It



ISA events are where everybody comes together. It's high energy and everybody cares about where the industry is going.

The class was excellent, the program was excellent.  
The certification programs are one of the best in the industry.

For me, the first thing I think of is 'family.'

In ISA you find mentors across all fields of your  
to help your career take off quickly.

I have met some of the **best people in automation**  
by being part of ISA.



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# Join ISA

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Together, we create a better world through automation.

[isa.org/join](https://isa.org/join)



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# Thank You

[www.isa.org](http://www.isa.org)



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