

Meet Our Industry Experts

ISA prides itself in bringing you top-notch, qualified subject matter expertise with a wealth of industry experience. Below is a list of some of our instructors who are currently assigned or teach through our public and private classroom training. ISA also works with numerous other technical experts in various fields for as needed, special and distance learning assignments, who may not be listed below.

John Bogdan has significant experience in alarm management, advanced process control, safety systems, and process optimization, as well as Six Sigma certification.

Jerry Booher has an extensive background in electronics and instrumentation and maintaining plant process instrument equipment/systems including lab analyzers, burner management control, automatic drumming lines, PLC, DDC, and DCS systems.

Dennis Brandl has been an active member of the ISA88 Batch Control Systems standards committee and a US expert in batch control to IEC SC65A/WG11. He is also an editor of ISA's ANSI/ISA95 Enterprise-Control System Integration standard.

Richard Brown has many years of experience with a primary emphasis on risk identification and mitigation approaches for industrial control systems, plant cybersecurity architecture, and defining and implementing standards/policies for manufacturing cybersecurity.

John Campbell, P.E., CAP, FSE, ISA84 SIS Expert, began his career as a process engineer moving to the instrumentation design group and recently retired as a principal engineer. He has been an active ISA member for over 34 years, holding a variety of leadership positions on the Section, District, Division, and Society levels.

Dick Caro is currently the CEO of a business strategy and professional services firm. He has also served as Vice President of ARC Advisory Group and in various roles on industry standards committees. He has also held past positions from management to marketing to development with numerous industry organizations.

Dale Carson has significant experience as a plant instrument engineer in specialty chemical manufacturing. He has also been involved with using PLC-based systems for regulatory control, and responsible for coordinating proper installation, commissioning, and start-up activities.

Gerald Cockrell served as Professor of Electronics and Computer Engineering Technology at Indiana State University for over 30 years. His areas of specialization are Process Automation Systems and Project Management.

John Cusimano, CFSE, CISSP, is a process automation safety, security, and reliability expert who leads a team devoted to improving the security of control systems for companies worldwide. He is also a qualified Achilles™ communication robustness test engineer.

Conrad DeGrace has extensive experience in developing PLC/PAC process automation applications, and teaches college-level courses on computer systems, programming, data acquisition, and processing.

Richard Eiden, P.E., CEM, LEED-AP, has vast experience in the building-trades sector holding engineering licensures in numerous states. He is very passionate about sustainability in schools, both infrastructure and STEM curriculums.

James Federlein, P.E., is recognized both for his in-depth knowledge of measurement and control and for his ability to clearly explain concepts to and share his experience with students. Jim develops custom training courses for manufacturing and engineering companies, and is a representative on many industry standards committees.

Charles Fialkowski, CFSE, has been a Safety Systems Specialist for many years, with a focus on process safety. He has also served as Chairman for ISA's Safety Division and as a member of ISA's ISA84 technical committee on Safety Instrumented Systems.

Paul Franklin has worked in wastewater, water reclamation, and hydroelectric facilities; has been involved in a multitude of major DCS/PLC upgrade projects; and has to his credit thousands of calibrations of gauges, sensors, transmitters, and analytical equipment.

Peter Fuhr, Ph.D., has been working in the areas of wireless communications, sensors, and photonics for longer than he cares to admit. He was among the earliest group of individuals to embed sensors into various civil structures.

Luis Garcia has been working extensively in the oil and gas, chemical, and petrochemical sector for many years, helping to develop standards, procedures, and projects all around Latin America and Europe.

Rod Garcia began his career in power generation operations and in the field of instrumentation through a utility apprenticeship program. He has experience in early and current technologies, pneumatic standards, early generation electronic control systems, PLCs, and distributed control systems.

Manuel Garza has extensive work experience in the areas of project development, engineering, construction, and start-up. His professional background includes positions from Instrument Trainee, I&E Technologist, and Engineering Technologist. He provides consultation and services in the areas of process automation, needs assessment, and technical training course development.

Jerry Gerlich has many years of experience in process control and petrochemical instrumentation. His vast background includes troubleshooting, maintenance, repair and calibration of control systems and custody transfer equipment, as well as engineering plant change and project packages.

Our instructors have a combined
1,100+ years of industry experience!

Jerry Gilman, P.E., has extensive experience with burner management and boiler control systems and startups, as well as control and information systems. He also has experience with safety instrumented systems and safety standards in the food and pulp and paper process industries.

Paul Gruhn, P.E., ISA84 SIS Expert, is a Safety Product Specialist, a member of the ANSI/ISA84 Standards committee, co-author of an ISA textbook, author of many articles, and developer of numerous ISA SIS courses and a control and safety system modeling software package.

Alex Habib, P.E., has business and professional experience working on several automation-related projects, in various engineering and consultancy roles. He has served as the Director of the ISA Food & Pharmaceutical Division, as well as President of the ISA Central New Jersey Section.

John Halajko, during his long career, has served as a member of fifteen grass roots design, build, and commission teams. He has also contributed to the hardware and software design of control systems from P&ID development to SIS auditing.

Joseph Heitz has to his credit many years of experience in the instrumentation, electrical, and automation fields. Starting out as an instrument technician in a petro-chemical plant, he has embodied roles of project designer, project manager, field engineer, instrument engineer, and quality assurance representative for metrology.

Lon Hemphill, CCST Level III, began his career in the field of instrumentation in the US Army as a navigation equipment repairman. After army life, he gained his experience through the instrument department at an Army ammunitions plant.

Sam Herb has considerable years' experience in the utility and process controls industries, with various roles in marketing, business development, control applications, product management, systems engineering, project management, product evaluation, technical publications, and education.

Cameron Kamrani has project experiences which include master planning, design, construction, commissioning, and validation of field instruments, control systems, automation software, networks, and the associated electrical distribution design and hardware.

Chuck Kirby is a CCST Level III whose background includes troubleshooting, repair, calibration, design, installation, and modification of process instruments and electrical controls associated with industrial and municipal operations. His vast experience also includes the areas of project management, scheduling, technical writing, quoting, specifying, engineering, CAD, and training.

Ken Kolkebeck, CAP, CBCP, has spent many years in the control field, most of it in the specialized area of controls for critical ventilation systems. He has participated in hundreds of critical control projects for research laboratories, vivariums, pharmaceutical manufacturing facilities, clean rooms, industrial plants, and hospitals.

Kristinn Kristinsson has many years of experience in advanced control in the paper and chemical industries using multivariable control technology to optimize process operations.

Stephen Lisko has served as a process controls engineer and project engineer for large and small-scale automation projects. He has a variety of experience designing, developing, and commissioning automated control systems for food and beverage, oil and gas, petrochemical, chemical, and specialty chemical industries.

Don Lovell has been involved in the process automation field for numerous years with experience in both batch and continuous process applications. Industry experience includes beverage, cement, fine chemical, food, paper, and industrial boilers.

Wayne Manges works extensively with steel, paper, and other industries to bring robust, wireless technology to their markets, and is committed to the deployment of integrated systems that solve real problems. He has worked on systems from one-of-a-kind uranium enrichment processes to intelligent robotics.

Ed Marszal, P.E., ISA84 SIS Expert, has a multitude of experience in safety instrumented systems design and risk analysis. He has developed and teaches many courses on process safety management and safety instrumented system design and analysis.

Greg McMillan received the ISA "Kermit Fischer Environmental" Award for pH control in 1991, received the *Control Magazine* "Engineer of the Year" Award for the Process Industry in 1994, was inducted into the *Control* "Process Automation Hall of Fame" in 2001, and was honored by *InTech* Magazine in 2003 as one of the most influential innovators in automation.

Curt Miller, P.E., CFSE, has to his credit many years of experience in process instrumentation, control and automation, safety instrumented systems design/application, and project execution.

Kevin Mitchell has many years of experience in process safety management and safety instrumented systems in the refining, oil & gas, and chemical industries.

Lewis Natiello, P.E., has broad engineering and project management experience with major petrochemical, consumer products, and pharmaceutical corporations. He has served as the lead engineer on capital projects and consulting assignments, with principal focus on automation, control, and laboratory instrumentation.

Paul Nowicki has extensive experience in manufacturing information, process automation, and control systems, where he has applied his problem solving capabilities to a wide variety of industrial challenges. Paul has worked in specialty chemical, pharmaceutical, food/beverage, paper, and consumer products facilities.

Rich Palluzi, P.E., has been responsible for the design, construction, and support of pilot plants and laboratories, and consults on issues related to laboratory design and pilot plants.

Elden A. Plettner, Jr. holds a wealth of technical training experience in the nuclear industry arena. His work and professional experience include positions of I&C Design Engineering Supervisor, Licensed Senior Nuclear Reactor Operator, and Licensing Examiner.

Nicholas Sands is currently a process control engineer with many years of experience as a business process control leader, site process control leader, process control consultant, and plant control engineer across several different businesses.

Bianca Scholten advises industrial companies on how to select and implement manufacturing operations management systems in order to support improvement possibilities. She is a voting member of the ANSI/ISA95 standards committee, and has published more than seventy papers on vertical integration and technical automation.

Ken Schultz has many years' of industrial and electrical experience, much of it in the oil & gas industry. He has been involved in a wealth of projects and responsibilities involving general instrumentation, analyzers, PLCs, DCS, data communications, and incident investigations and behavior safety as it relates to process development.

Mike Scott has many years of experience in control systems engineering where he performed/implemented conceptual design, detailed design, configuration, and startup/commissioning exercises for the chemical process industry.

Tim Shaw, Ph.D., CISSP, has to his credit many, many years of experience with computer-based automation systems including developing three generations of DCS systems and two generations of SCADA systems.

Bryan Singer, CISM, CISSP, CAP, has extensive experience in information technology security, including a specialization in industrial automation and control systems security, critical infrastructure protection, and counter-terrorism. His industry experience includes healthcare, telecommunications, water/wastewater, automotive, food and beverage, pharmaceuticals, fossil and hydro power generation, and oil and gas.

Dan Smith has many years of experience in advanced control in the paper, mining, and chemical industries, using multivariable control technology to optimize process operations.

Scott Sommer, CAP, has to his credit extensive experience in automation, instrumentation, and process control design and applications, including batch control experience.

Todd Stauffer, P.E., has held marketing and business development and product management roles. He is an editor and voting member of the ISA18.2 standards committee on alarm management, and co-chair of the ISA18 WG 3 chartered with creating the Basic Alarm Design technical report (ISA TR18.03).

Thomas Stokes has numerous years of industrial control systems experience in production, maintenance, and supervision with extensive teaching credentials as an adjunct college faculty member, as well as industry short course instructor in the area of instrumentation technology.

Jerry Thomas has developed and taught courses in microprocessor systems, digital electronics, and industrial control systems to engineers and technicians throughout a variety of industries.

Larry Thompson, CAP, has an extensive background as a technician, technical trainer, and course developer in electronics, measurement/control, and computer networking. A 20-year veteran of the US Air Force, his military specialty was the maintenance of electronic encryption equipment.

Iwan van Beurden has experience with the implementation of IEC 61508 dealing with SIS reliability calculations and the safety education of engineers and performing failure modes, effects, and diagnostic analyses as well as a variety of reliability analyses and SIL verifications.

Kalpen Vachharajani has extensive experience in engineering, installation, and commissioning of process control and instrumentation systems for total plant automation and control in the refining, petrochemical, oil & gas, chemical, power, food, brewing, pharmaceutical, and automotive industries.

Lou Verduzco has a wealth of instrumentation and control systems experience in a wide range of industries including petrochemical, chemical, and water and wastewater.

Jerry Voss is a highly qualified Instrumentation and control systems specialist with many years of experience in United States Naval and Commercial Nuclear Reactor facilities. Jerry specializes in project management and programmatic/design support in the areas of software quality assurance, digital process improvement, set point analysis, drift analysis, and licensing of instrumentation.

David Wechsler has been responsible for developing standards and overseeing technology programs addressing hazardous (classified) locations, electrical safety, and fire protection designs; and performing quantitative risk assessments (QRA).

Richard Weekly has vast work experience in the electrical/automation field. Some of his first control projects involved energy management and lighting control systems, then design and installation of systems for automated material handling.

Vic Wegelin, P.E., has to his credit extensive experience in the design, build, and support of industrial control networks through his consultancy services. In addition to instructing for ISA, he is also a faculty member of a state university Industrial Control Certificate program.

W. Gerald Wilbanks, P.E., has extensive experience in control systems engineering, personnel management, quality systems consulting, and instrumentation design in heavy industry and in the chemical, pulp and paper, power, and manufacturing fields. A former President of ISA (1995), he is a registered professional engineer in four states and is a member of NSPE and of ASQ.

Gary Woods, P.E., is a registered engineer in three disciplines: chemical, nuclear, and controls systems. He has extensive background in the fields of chemical process and power generation engineering, with previous experience as a instrumentation and controls hardware specialist.

ISA is always looking to expand its pool of technical expertise!

Are you interested in joining this elite list of qualified subject matter experts, by becoming an ISA instructor?

If so, contact ISA at info@isa.org or +1-919-549-8411 or visit: www.isa.org/instructor for more information or details relating to ISA instructional guidelines.