

TIME	TITLE	DESCRIPTION
8:00a & 1:00p	Machine Safety Basics	From perimeter guarding a work cell to point-of-operation guarding on a machine, get a complete overview of various optoelectronic safeguarding strategies.
8:00a & 2:00p	Camera vs. Laser Technology for Bar Code Applications	Having difficulty deciding between using camera or laser technology for your barcode application? Understand the advantages of each technology and how to find the most cost effective way to meet your company's automatic data capture goals.
8:00a & 2:00p	Tools for Multiple Sensor Integration (LMS)	Learn and discuss different methods of integrating multiple sensor technologies, such as the SICK LMS, using the latest software developments, while maintaining data integrity in outdoor, real-time environments, such as mapping.
8:00a & 1:00p	3D Machine Vision for the Factory Floor	3D smart cameras are complete systems for high-speed capturing and analysis of true shape data. Measuring the third dimension provides knowledge about object height, shape and volume for more effective inspection operation.
9:00a & 3:00p	Six Steps to a Safe Machine	Risk Assessment? Design of Safety Controls? Get the latest information to keep pace with the ever-changing global safety standards and take home our new North American Safety Guide.
9:00a	Putting Dimensioning Systems to Work for You	How to use laser dimensioning solutions to solve diverse material handling problems, including side-by-side product detection, irregular or oversize object identification, dimensional weight and many others.
9:00a	Selecting Encoders for Position Control	Linear or Rotary? Incremental or Absolute? Single-turn or Multi-turn? Shaft or Hollow Shaft? Connector or Cable? This seminar will guide you through what you need to know to specify the exact encoder for your position-control application.
9:00a & 3:00p	Clearly Better Packaging Solutions	Learn how to solve some of the most troublesome detection applications in packaging. From detecting clear bottles to shiny labels, you'll learn how to incorporate simple solutions from the beginning to the end of the packaging line.
10:00a & 1:00p	Sensors That Increase Throughput	New sensor technology advancements are making it easier to solve difficult product detection applications. Learn how to overcome a wide range of challenges, such as ambient light or shiny objects, to increase throughput.
10:00a & 2:00p	Enhance PLC/PAC Capabilities w/ Modular Safety Controller	Learn new and exciting techniques for uniting your machine-control PLC/PACs and Modular Safety Controllers via industrial networks, such as PROFINet, Ethernet/IP, and TCP. Find out how to reduce costs, increase flexibility and reduce downtime.
10:00a & 3:00p	Bar Code Quality and How it Affects Your Supply Chain	Tired of not getting the read rate you expect from you barcode scanner investment? Learn how to actually measure bar code quality, understand how this impacts scanner performance and steps to take to improve your code quality and throughput performance.
10:00a	Machine Vision in F&B and Consumer Goods	Increase efficiency and reduce costs by reducing scrap, preventing packaging jams, and inspecting quality throughout food and beverage and consumer goods production processes.
11:00a	Save Time and Money in Washdown Environments	Reduce maintenance costs and downtime with sensors designed to withstand washdown environments.
11:00a	Entry/Exit Safeguarding	Learn about the multiple methods to solve entry/exit safeguarding for material handling applications. Discover new and improved ways to allow product in, but keep workers out of hazardous areas without slowing production.
11:00a	Service Strategies for Distribution Center Performance Excellence	Maximize your Distribution Center throughput with programs designed to reduce downtime and improve process efficiency. Topics include 24/7 Support and Performance Assessments. Cost-saving recommendations such as diagnostics and conveyor zone control upgrades are also reviewed.
11:00a	When Accuracy Counts	Take advantage of micron-to-submicron resolution for inspection, hi-accuracy non-contact gauging, error proofing and other measurement applications such as profiling, edge/web detection, and glue-bead detection.
1:00p	Get the Most from Your Bar Code Scanners	Understand how to utilize the Ethernet networking technology of your bar code scanner to simplify your installation, improve your visibility to scanner performance and access advanced diagnostics for easy maintenance.
2:00p	Comparing Feedback Devices and Interfaces for Servo Motors	Resolver, incremental, absolute, sine/cosine....RtoD, AqB, SSI, Endat BiSS, Hiperface....Learn the pros and cons for each type of feedback device and interface.
3:00p	New Technology for Reliable Leading Edge Detection	Problems reliably detecting leading edge of products with various sizes? Learn about an innovation in pallet and leading edge detection, at a cost effective price. See how the new REFLEX ARRAY sensor solves applications that previously required higher performance and more costly technology.

