

# 2019 Precision Electric Industrial Services and Training Expo

Thursday, June 6, 2019

1508 W. Sixth Street, Mishawaka, Indiana 46544

Trade Show Floor and Vendor Booths will be open from 8:00 am - 5:00 pm

Registration for Precision Electric Expo 2019 and Workshops will open May 10, 2019 at: [www.precision-elec.com](http://www.precision-elec.com)

Time		Automation Controls Theater	Precision Electric	Motor Shop Theater	Conference Room
9:00 am - 10:00 am	Title	<b>ABB Ability Solutions</b>	<b>Vendor Booths and DEMOS</b>	<b>In Service Motor Testing, and Replacement</b>	<b>Belt Installation and Maintenance</b>
	Abstract	ABB's complete portfolio of digital solutions which are typically combinations of products and/or services delivered via software and connectivity to create significant business value-uptime, speed, yield, safety and security. These solutions are built from common technology components.	How can Predictive Maintenance save you money? Vibration Analysis/Infrared Thermography Demos Baldor Electric - Electric Motors ABB - Drives and Hands on Demos AEGIS - Grounding Rings in VFD applications NSK Bearings - New Bearing Technology Precision Electric and More	Is the Motor the Problem or Something Else? Learn how to test a motor in service and isolate the problem to the motor and/or controls Best practices on removal and installation of electric motors. How to make an appropriate decision on repair vs replace	Learn how to install and setup tension on V Belts to insure proper traction without putting excessing axial load onto bearings. Learn what maintenance is required after installtion to keep running smoothly and maximize belt life for your application.
	Instructor	<b>Aaron Marema/Ray Ossowski</b>		<b>Roy Dekker - Precision Electric, Inc</b>	<b>Mike Kurtzner - Gates Corporation</b>
		<b>ABB, Inc.</b>	<b>VENDOR BOOTHS ARE OPEN ALL DAY</b>		
10:30 am - 11:30 am	Title	<b>LAB - Hands On Lab - ACS880 - Limited Space</b>	<b>ABB All Compatible Experience</b>	<b>Electric Motor Theory of Operation</b>	<b>Solutions to Bearing Failure</b>
	Abstract	Technical training & Hands On Lab You will be commissioning of ABB's newest Low Voltage AC drive. Commission this drive from start to finish and learn how to edit parameters to configure drive for specific tasks	ABB NEW DCX Truck has been revamped to illustrate the products, solutions, and platforms that help make ABB the global benchmark in drives, controls and automation An interactive experience to explore our industry applications, products, and services	Learn how an electric motor works. Both DC and AC motor theory will be discussed. What makes a motor "GO"? Learn the theory of how they work and recognize symptoms of minor problems before they become major problems	Bearings rarely fail from fatigue. Over 99% of bearing failures are related to lubrication, contamination, maintenance, and installation. Learn the common modes of bearing failures, how to identify them, and keep your rotating equipment running longer.
	Instructor	<b>Doug Smith-Regional Applications Engineer</b>	<b><a href="https://www.abb.com/RRS.htm">https://www.abb.com/RRS.htm</a></b>	<b>Joe Chamberlin - Precision Electric, Inc</b>	<b>Rohit Patel - NSK Bearings</b>
		<b>ABB, Inc.</b>			<b>John Hesch - Bearing Headquarters</b>
11:30 am - 1:00 pm		<b>A Free Catered Lunch Will Be Served, Courtesy of Precision Electric, Inc.</b>			
1:00 pm - 2:00 pm	Title	<b>LAB - Hands On Lab - ACS880 - Limited Space</b>	<b>ABB All Compatible Experience</b>	<b>Effects of Shaft currents on VSD Operated Motors</b>	<b>ABB Ability Smart Sensor</b>
	Abstract	Technical training & Hands On Lab You will be commissioning of ABB's newest Low Voltage AC drive. Commission this drive from start to finish and learn how to edit parameters to configure drive for specific tasks	ABB NEW DCX Truck has been revamped to illustrate the products, solutions, and platforms that help make ABB the global benchmark in drives, controls and automation An interactive experience to explore our industry applications, products, and services	Learn the effects of shaft currents on motors operated from variable speed drives. Determine when shaft grounding rings should be used. Learn how properly applied and installed shaft grounding rings will extend the service life of your electric motors saving you thousands of dollars.	The ABB Ability Smart Sensor converts traditional motors, pumps, and mounted bearings into smart, wirelessly connected devices. It measures key parameters from the surface to gain meaningful information on condition and performance. Uncover potential for energy savings, reduce downtime, cut maintenance cost, and extend equipment life
	Instructor	<b>Doug Smith-Regional Applications Engineer</b>	<b><a href="https://www.abb.com/RRS.htm">https://www.abb.com/RRS.htm</a></b>	<b>John Sheppherd - AEGIS SGR</b>	<b>Bill Harvey - ABB Motor and Mechanical</b>
		<b>ABB, Inc.</b>			
2:30 pm - 3:30 pm	Title	<b>Yaskawa Integration</b>	<b>Vendor Booths and DEMOS</b>	<b>In Service Motor Testing, and Replacement</b>	<b>Vibration Analysis/Infrared Scanning</b>
	Abstract	Learn how to successfully setup communication between an exiting touch screen interface and servo controller. The purpose of this demo is to illustrate the ease of integrating the drive into an existing automation application. Customization and hands on configuration will be encouraged as will your questions about specific applications	How can Predictive Maintenance save you money? Vibration Analysis/Infrared Thermography Demos Baldor Electric - Electric Motors ABB - Drives and Hands on Demos AEGIS - Grounding Rings in VFD applications NSK Bearings - New Bearing Technology Precision Electric and More	Is the Motor the Problem or Something Else? Learn how to test a motor in service and isolate the problem to the motor and/or controls Best practices on removal and installation of electric motors. How to make an appropriate decision on repair vs replace	Learn the ins and outs of vibration and Infrared analysis and how these important tools can save both money and downtime. Learn how to interpret the data and when you should take action. Understand the effects of high levels of vibration and heat on your equipment
	Instructor	<b>Sean Overmyer-Applications Engineer</b>	<b>VENDOR BOOTHS ARE OPEN ALL DAY</b>	<b>Roy Dekker - Precision Electric, Inc</b>	<b>Justin Gautier - Precision Electric</b>
		<b>Applied Machine &amp; Motion Co.</b>			
3:30 pm - 5:00 pm		<b>Post Event Networking Reception</b>			