



Mechatronic Solutions

MACHINE CONTROL • MACHINE SAFEGUARD • MECHATRONICS • PNEUMATICS • ROBOTICS • VISION & SENSORS



JOIN US FOR OUR ANNUAL

[Mechatronic Solutions Technology Day 2018]



OCTOBER 25TH 2018 < 11am - 6pm >

Join us for our Technology Day and Educational workshop. Visit our expanded and remodeled facility to learn, network and have some fun. Experience new products and technology from our industry-leading partners.

Highlights include:

- Workshops for Industry 4.0, Machine Safety and Part Marking
- Festo Mobile Mechatronic Lab
- Miniature robotics and part feeding
- Motoman Smart Pendant

Food and drinks will be provided. Catering by Q fanatic!



INDUSTRY 4.0 AND THE REBIRTH OF AMERICAN MANUFACTURING

Common perceptions of manufacturing are generally out of sync with the reality that exists today. Far from being dark, dangerous and dirty the reality of today's Advanced Manufacturing is bright, smart and on an upward rise. The promises of Industry 4.0 and "Lot Size One" are fundamentally changing how business is conducted at every level, from logistics to tax codes. Several enabling technologies are making this industrial revolution possible and plants are becoming more efficient, responsive and productive as "Made to Order" the norm. But what skills are needed and how are the education and manufacturing industries working together to build the workforce of the future? Let's discuss what is being done nationally and in Minnesota to address today's skills gaps.



Mike Nager is an electrical engineer and has worked for some of the world's leading manufacturers of industrial controls and electrical components and has visited thousands of manufacturing and utility sites. He has presented at conferences held by the Connecting Electronics Industries association (IPC), the International Society of Automation (ISA), International Society for Pharmaceutical Engineering (ISPE), and the Material Handling Industry of America (MHIA) and IoT World. Mike volunteers with the IEEE Mini-Engineering Academy which gives local students hands-on experience in the technical fields. He has written several articles for industry trade publications and works for Festo Didactic, the world's leading manufacturer of technical education and curriculum products.

Workshop time 1:00-3:00 (Registration required)

SAFETY SKILL BUILDER

This session is focused on developing a greater understanding of methods of machine safeguarding and the correct applications of guarding devices. We will touch on risk assessment, safe mounting distances for presence sensing devices, guard opening size and safety control circuit requirements.

Jim Wille is a Strategic Account Manager for Omron. He is a member of the ANSI Machine Tool Subcommittee for B11.18. He works closely with key accounts in a variety of industries to develop high level safety strategies and customized machine safeguarding programs.

Workshop time: 10:00am to 12:00pm (Registration Required)

Presented by:

AUTO ID/PART MARKING STRATEGIES

- Advantages of Data Matrix vs. 1D barcode symbology in industrial applications.
- Common problems with reading barcodes in industrial applications and how to overcome them.
- When to use barcode vs. RFID in industrial applications.



Seminar Time: 3:00pm to 5:00pm

Presented by: Felix Klebe-OMRON Microscan Product Manager-Advanced Sensing

FESTO MOBILE MECHATRONICS LAB



The MML is reloaded with new demo's for 2018!

Staffed with experts in the field of automation, the Festo Mobile Mechatronics Lab (MML) is on a mission to educate companies and schools about energy efficient automation technology and the latest advancements that can improve equipment and operational performance.

The MML enables you to discuss your specific application needs with automation experts while trying out hundreds of the most advanced automation products first-hand.

Qfanatic! Featured on DINERS, DRIVE-INS & DIVES



WHO WILL BE AT THE SHOW?

