Introduction to Robotic Automation

**Tuesday, March 20**

**Session 1 • 10:30-11:30 a.m.**
WRO-09  Robotics 101: Understanding the Basics of Robots. No Prior Experience Necessary!
ABB
Understanding the basics of robots. Major parts of a robot, terminology, specifications, standards, ratings, more!

**Session 2 • 1:00-2:00 p.m.**
WRO-03  Economics of Flexible Automation: The Lower Life Cycle Cost of Robotics
Michael Briggs, ABB
The recyclability of robotics gets more out of your capital investment. Find out the advantages of using flexible automation over hard automation. Also covered is the robotic automation value proposition: cost savings, investment and ROI of robotic automation.

**Session 3 • 2:30-3:30 p.m.**
WRO-12  Solving Safety and Ergonomics Problems with Robotics: How to Lower Employee Risks, Repetitive Motion Injuries and Workmen's Compensation Claims
ABB
People get hurt, robots don’t. And it’s getting harder and harder to find workers to do difficult or repetitive tasks. Lower employee risks, repetitive motion injuries and workmen’s comp claims, and your payroll, while increasing your bottom line using robotic automation.

**Wednesday, March 21**

**Session 5 • 8:00-9:00 a.m.**
WRO-14  The Robot Next Door: How Companies from a Wide Variety of Industries are Applying Robotic Automation Today (and Why You Should be Too)!
Ted Wodoslawsky, ABB
Your neighbor is using robotics to lower costs and increase production. You may be surprised to find how many jobs a robot can now do. Find out how companies from a wide variety of industries are applying robotic automation today, and how adding even just one robot to your workforce can increase your profits.

**Session 6 • 9:30-10:30 a.m.**
WRO-04  How to Choose Your First Robot Application for Success
Charlie Miller, ABB
This workshop will provide tips on how to find your first robotic application and make it a success!

**Session 7 • 11:00 a.m. - 12:00 p.m.**
WRO-01  Anthropomorphic Abilities of Robots: Robots That See and Feel (As Seen on the Discovery Channel)
ABB
Big word, easy concept! How robots with human-like senses can now do tasks previously only done by people. Includes discussions on vision, touch and feel.

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**Speaker names subject to change**
Wednesday, March 21 (con’t.)

Session 8  •  1:30-2:30 p.m.
WRO-11 Robots that Learn by Doing - “Showing” How a Robot to Do a Task
ABB
How you can easily teach a robot to do human task. Show the robot how to do it, and you are on your way.

Session 9  •  3:00-4:00 p.m.
WRO-08 Picking, Placing, Packing, Palletizing: The Four “P’s” of Robotic Automation in Packaging, Warehousing & Distribution
Rick Tallian, ABB
From picking, placing and packaging one item, to packing a case, to palletizing. How robotic automation saves time and money in any manufacturing process.

Thursday, March 22

Session 10  •  4:30-5:30 p.m.
ABB
Find out how you can achieve consistent, better quality painting and reduce your raw material paint costs. This session is intended for those who have not yet used robots for paint applications.

Session 11  •  9:30-10:30 a.m.
WRO-18 Virtual Robotics: RobotStudio Offline Simulation and Programming
Douglas Hixon, ABB
This workshop will be an introduction into Robot Studio. ABB’s “virtual” robot simulation software that let’s you design, test and simulate a robot on your PC. This powerful software tool simulates a robot application exactly as it would work in the real word. The program developed can be directly downloaded onto an ABB Robot.

Session 12  •  11:00 a.m. - 12:00 p.m.
WRO-10 Robotics on a Tight Budget: When a Pre-Owned Robot is the Right Answer
Steven West, ABB
Money tight? Don’t think you can afford a new robot? Maybe you can’t. But you probably can afford a pre-owned one. Find out how a factory refurbished robot can greatly reduce your entrance cost.

Session 13  •  1:30-2:30 p.m.
WRO-06 Lease A Bot!
Charlie Dillon, CIT
By attending this workshop you will find out how to eliminate capital costs by leasing robots and other capital equipment.

Session 14  •  3:00-4:00 p.m.
WRO-17 Using Remote Monitoring to Increase Uptime and Your Bottom Line
Steven West, ABB
Suppose a manufacturer could avert unplanned downtimes or, if they should occur, greatly limit the interruption. Interconnecting machines with IT infrastructure and mobilized work forces through machine-to-machine (M2M) technology has proved a multifaceted solution.

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Robotic Automation
Workshop Sessions

Robots for Existing Users

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**Session 4**  •  4:00-5:00 p.m.
**WRO-16** TrueView: Vision Guided Robotics
Dave Baucus, ABB

Discover how a camera is used to give robots “sight” and how robotic vision can be used to optimize many robotic applications.

**Wednesday, March 21**

**Session 5**  •  8:00-9:00 a.m.
**WRO-15** TrueForce: Feeling with Force Control
ABB

Come discover all the benefits of giving robots the ability to “feel.” Topics include optimizing cycle time, minimizing part and tool damage, reducing risk to personnel, allowing smaller process and part tolerances, improving efficiency and reducing cost.

**Session 6**  •  9:30-10:30 a.m.
**WRO-02** Being Smart in Managing Your Spare Parts
Steven West, ABB

Be smart when it comes to managing your most valuable manufacturing assets. Whether your equipment is worth thousands or millions of dollars, learn how ABB customers are leveraging their automation investments to their advantage. Beyond inventory tracking—whether it’s an innovative “parts on-site” program, a way to manage your incoming material, or the capability to automatically link your inventory data into your ERP system—learn about the powerful capabilities of ABB’s SmartServices and how you can reduce your overall MRO expenditure.

**Session 7**  •  11:00 a.m.-12:00 p.m.
**WRO-13** Support Your Robot! (Choosing the Right Service Package for Robots)
ABB

Once you have decided to make the investment into robotics, you should learn how to choose the right service package to keep your newest team member running at peak efficiency.

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Session 8 • 1:30-2:30 p.m.
WRO-05 Interactive Maintenance on Robots
ABB
This workshop will cover maintenance and training using an interactive tool. This tool allows operators to find information instantly to solve problems at the machine resulting in time and cost savings.

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