



UNDERSTANDING AND DESIGNING SAFETY APPLICATIONS

PART OF THE DIGITAL TRANSFORMATION SERIES

SUMMARY

This live seminar is a comprehensive overview of integrated CIP safety over EtherNet/IP. The goal of this seminar is to provide attendees with a basic understanding of the devices, software, and services that are available through ES&E for safety system integration. The seminar will begin with a look at the international safety standards for Functional Safety of Machinery. These are the standards that are used when designing and building safety systems. This will be followed by a brief update on each of the latest safety products and tools that Rockwell Automation offers for safety system implementation. Finally, there will be a demonstration of a working safety system using live equipment. This demonstration will tie everything together and show how each component plays a role in an effective and functional safety system.

SCHEDULE

Thursday, September 23		Seminar Section Title
Morning	Afternoon	
8:00 AM	1:00 PM	Safety Standards
8:45 AM	1:45 PM	Guardlink and 440R Safety Diagnostics
9:00 AM	2:00 PM	Break and Q/A
9:15 AM	2:15 PM	CIP Safety and Integrated safety Explanation
9:35 AM	2:35 PM	Safety Controllers Overview
9:45 AM	2:45 PM	GuardLogix Software (Studio 5000)
10:00 AM	3:00 PM	Break and Q/A
10:15 AM	3:15 PM	CIP Safety MAB and Light Curtains
10:30 AM	3:30 PM	Drive Safety and CIP encoder
10:45 AM	3:45 PM	Full Integrated Safety Machine Demo
11:25 AM	4:25 PM	Safety I/O platforms

Lunch will be provided for both sessions from 12PM - 1PM.

PRESENTERS

Eric Hanley
PLC/HMI Specialist
ES&E

Henry Gilliland
Motion/Servo Specialist
ES&E

Paul Harrison
Technical Consultant
Rockwell Automation

Eric Bombere
Solution Consultant
Rockwell Automation

Greg Taylor
Industrial Control Lead
Rockwell Automation

LOCATION

McKimmon Center for Extension & Continuing Education • NC State University • 1101 Gorman Street • Raleigh, NC 27606

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This seminar is part of a series of initiatives ES&E is introducing to help our customers achieve their digital transformation goals. Throughout this initiative we'll demonstrate the practical steps behind this journey.

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