

Automation University On The Move
5th April, Fota Island Resort, Cork

Room	Code	Time	Session Type	Title	Description
1	C101	09:00 - 10:00	Presentation	Machine Safety - Road map to compliance	The ongoing development of global safety standards and technologies have made manufacturing / selling / buying safe compliant machines an important part of your safety strategy. In this session we will explore the roles and responsibilities of the Machine Builder, End User and System Integrator in this process.
1	C102	10:00 - 11:00	Demonstration	Risk assessment and Safety Solutions - implementation of ISO 13849-1	If you assess, design or build machines and have used EN954-1 as a guidance standard, or if you have classified safety related systems by using the categories of EN 954-1, you will be required to reassess your machines' safety related control systems using the new Functional Safety standards. This process needs to be completed by 29th December 2011 when EN 954-1 will be removed as a supporting standard of the new Machinery Directive. When reassessing your machines you will discover that there is considerably more data required, in particular, Reliability Data on the safety solutions you use. This workshop is designed to help you understand the changes and manage the practicalities of the transition from EN 954-1 to EN ISO 13849-1.
1	C103	11:15 - 12:15	Presentation	Integrated Safety - Principles and implementation	Designing a safe plant or machine requires expertise coupled with the right solution - an Integrated Safety System. Understand your factory floor and machine challenges and how to implement intergrated safety solutions that meet your goals, using the broadest safety product portfolio available in the world.
1	C104	13:15- 15:15	Presentation	Practical Strategies to improve your Energy Management	In this 2 hour session gain an understanding of the risks in energy supply and why it makes good economic and business sense to invest in energy measurement and reduction measures. Learn how modern power monitoring systems work and how they can be integrated into plant systems and support energy reduction techniques through specific drive related efficiency measures.
1	C105	15:30 - 16:30	Demonstration	Intelligent Motor Control strategies to improve operational performance	Learn why the Intelligent Motor Control solution is being increasingly adopted across a range of industries to reduce total cost of ownership, increase availability and provide better control of energy. See how the cost-neutral adoption of electronic motor protection opens the door to plant-wide visibility within Integrated Architecture.
2	C201	09:00 - 10:00	Demonstration	Integrated Architecture - The backbone to optimise your plant	You will experience the benefits of using Rockwell Automation's Integrated Architecture. Specific focus is on how our latest generation of controllers and SCADA software can reduce design time and improve your productivity. We then look at how we can reduce complexity and increase standardisation through the use of standard code blocks and visualisation Faceplates, before covering revision management and application code security using our asset management software portfolio. Explore new methods within the Logix controller environment for improving alarm handling, which deliver better response for critical system alarms; before concluding with a look at how premier integration of PowerFlex drives can reduce engineering and commissioning time for applications requiring variable speed drives.
2	C202	10:00 - 11:00	Demonstration	Process Automation Solutions Pt1 - Intelligent instruments integration and asset management	Discover how the latest developments in Rockwell Automation's Process Automation System, Plant PAX can maximise productivity through Intelligent Instruments Integration and Plant Asset Management. This session looks at the benefits of Intelligent Instruments and the tools available to easily integrate with Logix controllers, including integration on Profibus PA, HART, Foundation Fieldbus and EtherNet/IP. Standard instrument function blocks and faceplates that simplify engineering will be demonstrated as well as a look at Endress+Hauser Fieldcare and the instrument configuration option in FactoryTalk AssetCentre. You will also see the tools available to ensure that a process plant continues to operate effectively throughout it's life.
2	C203	11:15 - 12:15	Demonstration	Process Automation Solutions Pt2 - Scaleable Batch Control solutions	Rockwell Automation's Process Automation System, PlantPAX can be used in a wide range of Batch Process Control applications. The session will give you an overview of options available for Batch process control from simple controller based sequential and recipe control to full large scale flexible S88 implementations. The latest version of FactoryTalk Batch includes intelligent recipe handling and smart binding techniques designed to optimise your production process.

2	C204	13:15 - 14:15	Demonstration	Process Automation Solutions PT3 - Advanced Process Control techniques & Migration for Legacy DCS	This session looks at two subjects; It will feature some of the tools that can be used to optimise performance - increase yield, reduce raw material usage and save energy in process applications. It will look at multiple techniques including Logix Advanced Process Control instructions, Soft Sensors and Model Predictive Control (MPC) technology. We will also look at the tools available to smoothly migrate from legacy DCS systems and examine a phased approach to migration to minimise downtime. This includes communications options, wiring systems and database conversion tools.
2	C205	14:15 - 15:15	Demonstration	OEM Performance - Design tools and products to maximise performance and value	Rockwell Automation recognises the common business drivers for both End User and Machine Builder (OEM) Operations. In this session you will experience tools that actively reduce design, development and build time. See how advances in Mechatronics, Integrated Safety and Motion Control improve machine performance and operational stability and learn how Rockwell Automation's Integrated Architecture delivers ease of use, simplified maintenance and enhanced reporting tools.
2	C206	15:30 - 16:30	Demonstration	Mechatronics - Solutions for robot, pick & place and assembly operations	Fast, efficient and accurate robots can play a real role in reducing costs while increasing throughput and flexibility. Here we discuss case studies where the use of Advanced Robotics incorporating our unique control and information platform have delivered real benefits. We will show the latest Linear and Rod Actuators giving attendees the opportunity to experience the benefits these products provide any machine designer.
3	C301	09:00 - 10:00	Presentation	PlantWide Optimisation - Products and services to maximise operational efficiency	Trends in manufacturing are providing unique value propositions for Users and Machine Builders to support Corporate Sustainability Initiatives and their interaction with the integrated supply chain, plant wide optimisation and sustainability. This session will demonstrate Rockwell Automation's unique suite of PlantWide Optimisation enabled hardware and software and how you can easily start to optimise your existing plant or machine which will provide cost savings to your business and a continuous return on assets, and an ongoing return on automation investments.
3	C302	10:00 - 11:00	Presentation	Networks - Implement secure and robust Ethernet/IP networks	Are you looking to implement a secure and robust automation network in your plant, with the ability to provide access to your company's enterprise systems or just provide secure remote access to your employees or suppliers? This session covers the fundamentals of implementing a secure and robust Ethernet network by using technical and non technical methods in line with global networking standards. In this session we will look at best practice for software patches, security risks, worms and virus protection and protecting against intended and unintended unauthorised actions.
3	C303	11:15 - 12:15	Presentation	Operational Intelligence - Software to improve efficiency and productivity	Discover how Operational Intelligence can be used to drive performance in the your industry. This session focuses on how to exploit data from both local and remote sites. We take a look at data historian tools (FactoryTalk Historian), productivity dashboards (FactoryTalk VantagePoint), right up to complex Manufacturing Enterprise Systems. Come and experience for yourself how FactoryTalk® Integrated Production & Performance Suite can help you to capture, organise and present data from remote pumping stations and other assets.
3	C304	13:15 - 14:15	Presentation	M.E.S. - Effective production planning & measurement products	This session will provide an overview of FactoryTalk PharmaSuite, Rockwell's latest MES solution for the Life Science industry. We will discuss how FactoryTalk PharmaSuite addresses key industry challenges and helps drives organisations closer to operational excellence. Join us to see the evolution of MES and to learn where Rockwell can take you today.
3	C305	14:15 - 15:15	Presentation	M.E.S. - Effective production planning & measurement CASE STUDY	This session will provide an insight into improvements gained through the implementation of MES. Using case studies we will discuss the benefits achieved and highlight the key areas of focus when implementing an MES.
4	C401	09:00- 11:00	Hands-On	Connected Components Solutions - Optimised to meet your needs for simple and smart machine control	This hands-on session works through the network connection of HMIs, AC drives and even discrete components within a machine control system, using small but expandable, low-cost PLCs. You will be shown how to monitor and display values (such as motor running-current) and easily send messages from in-built web-servers.
4	C402	11:15 - 15:15	Hands-On	Integrated Architecture - The Power of One: End User and OEM lab fundamentals	Experience the ease of integration of variable speed drives, I/O and visualisation with Logix controllers on EtherNet/IP networks. Implement the latest pre-configured HMI faceplates to provide detailed information for your PowerFlex inverters and observe how it greatly reduces your development time and complexity of small- to mid-sized applications.
4	C403	15:30- 16:30	Hands-On	Integrating safety with Compact GuardLogix and Ethernet/IP safety devices	Take your machine safety control and your productivity to the next level with GuardLogix control and safety IO devices. Create a small, safety application with predefined faceplates for HMIs to experience the quick and easy set up of a running system. Learn how you can easily reduce much of your valuable development time.