

AU Special  
2nd March 2010, Dublin

Room	Code	Time	Title	Presenter	Description
1	DB101	09:15 - 10:30	Using <b>Software Tools</b> to create and exploit operation intelligence	John Gooday & Brett Willetts	Discover how Enterprise Manufacturing Intelligence can be used to drive performance in your operation. This session focuses on how to exploit data from your plant floor. 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 strengthen your competitive advantage.
1	DB102	10:45 - 12:00	Effective <b>Asset Management</b> through the use of remote monitoring techniques and capabilities	Mark Crawford	Gain knowledge of how industry trends around remote asset management, new monitoring technologies and security legislation are developing to your advantage. This includes an overview of various innovative, outsourced, remote maintenance solutions, covering the management of remote rotating equipment. You will discover how low-cost wireless condition monitoring solutions have been implemented to greatly improve plant availability and virtually eliminate critical failures.
1	DB103	13:00 - 15:00	Practical strategies to improve your <b>Energy Management</b>	Jonathan Smith	Understand what "sustainability" means in the real world of business. This four-part session opens with an external view as to what is driving energy costs, the risks in supply and why it makes good economic and business sense to invest in energy reduction measures. It then moves on to cover how modern power monitoring systems work, how they can be integrated into plant systems, the reporting and information data available and how these factors enable energy reduction measures to be implemented. You will be shown how and why addressing high power applications can bring the fastest savings in energy coupled with the shortest payback periods, including examples of real applications and the savings achieved and a guide to identifying potential high power areas for saving energy. The session concludes by highlighting the need for an integrated approach to sustainability. Reducing the environmental impact of a business is not just to cleanse the corporate conscience, it can provide genuine economy in the use of resources and deliver tangible value through improved equity.
1	DB104	15:15 - 17:15	<b>Intelligent Motor Control</b> strategies to improve operational performance	Ian Harwood	In this session you will learn why the Intelligent Motor Control solution is being increasingly adopted across a range of industries to provide reduced total cost of ownership, increased plant availability and better control of energy. You will see for yourself how Premier Integration greatly reduces the engineering time for more complex devices, such as variable speed drives and soft starts and enables plant-wide visibility within Rockwell Integrated Architecture.
2	DB201	09:15 - 10:30	<b>Integrated Architecture</b> - Core system benefits	Richard Sturt, Glenn Bates & Dave Withenshaw	You will experience the benefits of using Rockwell Automation's Integrated Architecture. Specific focus is on how Logix & FTViewSE Visualisation integration can reduce design time in integrated applications. We then look at how we can reduce complexity and increase standardisation through the use of Add-on instructions & Faceplates, before covering revision management and application code security using FT Asset Centre. Explore new methods within the Logix 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	DB202	10:45 - 12:00	<b>Process Automation Solutions</b> Part I - Intelligent instruments integration and plant asset management	Richard Sturt & Stuart Forrest	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, HART and Foundation Fieldbus. 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. <del>You will also see the tools available to ensure that a process plant continues to operate effectively throughout it's</del>
2	DB203	13:00 - 14:00	<b>Process Automation Solutions</b> Part II - Batch and advanced process control	Richard Sturt & Stuart Forrest	Experience how Rockwell Automation's Process Automation System, Plant PAX can be used to optimise performance in Batch Process Control & Advanced Process Control. The session will give you an overview of options available for Batch process control from simple sequential and recipe control to full S88 implementations – using IEC 61131-3 compliant languages and inbuilt S88 state machines. The session will also feature some of the tools that can be used to optimise performance - increase yield, reduce raw material usage and reduce batch cycle times. It will look in detail at Logix Advanced Process Control instructions and other optimisation tools.

2	DB204	14:00 - 15:00	Manufacturing/IT Convergence - What does it mean for my operation?	Mark Daniels	You will discover how the combination of Ethernet solutions from Rockwell Automation and CISCO can provide an infrastructure capable of delivering secure data around your enterprise. We'll show you how the Stratix 8000 Switch technology allows control systems to share the same Ethernet Infrastructure as the back Office. You will then experience methods for optimising remote access to minimise OEM support costs and maximise operation uptime. Then we'll show you how to integrate functions such as CCTV and IP phones into the industrial Ethernet infrastructure. Finally we'll demonstrate how we can address security concerns arising from using Ethernet in this way.
2	DB205	15:15 - 16:15	<b>DCS Migration</b> Tools and Examples	Richard Sturt & Stuart Forrest	Rockwell Automation have developed a number of tools to assist the smooth migration from legacy systems like Honeywell TDC2000/3000®, Bailey Network 90® and Fisher Provox® to PlantPAx. This session will take a look at some of the tools available and discuss a phased migration approach.
2	DB206	16:15 - 17:15	<b>Safety Solutions</b> to assist with implementation of ISO 13849-1	David Reade Derek Jones	The concept of functional safety will change the behaviour of users and designers of automation systems, and why the publication of ISO 13849-1 has led to growing interest in performance levels (PL) and Safety Integrity Levels (SIL). You will learn how to use SISTEMA (a software tool for the evaluation of applications to ISO 13849-1) and understand the structure of the safety related control components and designated architectures.
3	DB301	09:15 - 10:30	<b>Connected Components</b> Solutions - Optimised to meet your needs for simple and smart machine control	Melvin Jones	This hands-on session works through the network connection of HMIs, AC drives and even discrete components within a machine control system, using a small but expandable, low-cost PLC. You will be shown how you can dynamically monitor and display values (such as motor running-current) and send alarm or update messages from in-built web-servers. You will learn how to add real, useable advantages to your machine or process through the increased availability of networks and advanced features, which are currently available on standard components.
3	DB302	10:45 - 12:00	Manufacturing/IT Convergence - The next generation <b>Ethernet</b> switch	Mike Loughran & Joe McGill	Experience the power of the Ethernet switch which provides seamless integration between corporate and manufacturing networks. You will manage a switch from within RSLogix 5000, see how diagnostic information from the network can be displayed quickly on an HMI and also understand how easily the Stratix 8000 family integrates into your corporate network software tools. You will also see a demonstration of CCTV and VOIP running over a control system Ethernet network.
3	DB303	13:00 - 15:00	Integrating safety with <b>GuardLogix</b> and <b>Ethernet/IP</b> safety devices	Glenn Bates & Joe McGill	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.
3	DB304	15:15 - 17:15	<b>Integrated Architecture</b> - The Power of One: End User and OEM lab fundamentals	Mike Loughran & Joe McGill	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		09:15 - 09:30	<b>Mechatronics Forum</b> - Welcome	Andrew Smith	
4	DB401	09:30 - 10:30	<b>Keynote Speech</b> - Changing Practices in Machine Design and Development	John Pritchard	In this session we will explain the principles that support Rockwell Automation's vision for the future of machine design. How our partnerships with market leading companies provide a platform for product development that focusses on our key objectives of Faster Time to Market, Lower Total Cost of Ownership and Better Asset Optimisation.
4	DB402	10:45 - 12:00	<b>Motion Analyser</b> - Tools to improve system design and prototyping	Brad McEwan & Derek Powell	Attendees will see first hand the new features of Motion Analyser and how this design tool speeds the machine development process. Now with links to Solid Works, Motion Analyser brings mechanical and electrical elements together to vastly improve efficiency throughout the design, test and implementation phase.
4	DB403	13:00 - 15:00	<b>Linear and Rod Actuators</b> - How the use of linear components can increase machine performance	Brad McEwan & Andy Bullock	We will show our new range of Linear and Rod Actuators giving attendees the opportunity to experience the benefits these products provide any machine designer. Live demonstrations will illustrate the key features while attendees will see first hand how MP Series Linear Stages and LD Linear Components link to Motion Analyser and our Logix control platform.
4	DB404	15:15 - 16:15	How <b>Integrated Motion Control</b> can reduce the engineering and development cycle	Derek Powell & Andy Bullock	Experience the functionality of Rockwell Automation's Integrated Motion Control. Here, we will show how utilising the tools and connectivity within our Logix5000 configuration package can dramatically reduce design and implementation time of any Motion Solution. Sample code, faceplates and Motion Analyser will feature in this live demonstration.
4	DB405	16:15 - 17:15	How do <b>Advanced Robotics</b> help to increase machine throughput and flexibility?	Brad McEwan & Andy Bullock	Advanced Robotics can deliver significant advantages to manufacturers. 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.