

# WINA Announces Working Wireless Hands-on Workshop at ISA 2012

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Industrial Networking Alliance (WINA), expert wireless resource

for the industrial market, will present a hands-on workshop on Working Wireless at [ISA](#)

[Automation Week](#) at the Orange County Convention Center in Orlando, FL.

WINA Wireless Workshop at ISA Orlando

ISA Automation Week is the premier annual gathering of process and discrete automation and control professionals to network and benefit from their collective experience and expertise.

**The WINA workshop, “Working Wireless Hands-on Workshop -- Providing Real World Insight Into Maximizing Wireless Performance” will be offered on Monday, September 24, 2012, 1:00-5:00 p.m. in Room 314A.**

This hands-on session will give attendees an opportunity to work with the tools and learn the methods used in performing wireless site surveys, as well gaining insight into configuring industrial wireless backbone networks for maximum performance.

The first half of the session will be devoted to radio theory and the tradeoff

between bandwidth and range, as well as other critical parameters, with various wireless systems being reviewed. Included in this portion of the workshop will be the development of simple criteria used in the selection of antennas for a variety of applications.

**This session will be presented by Brian Cunningham, Applications Engineer, Cooper Bussmann, Wireless Business Unit.**

The second half of the workshop will allow attendees to test their new skills in an in-depth set of exercises that analyze and demonstrate wireless protocol considerations, including the use of spectrum analyzers and signal monitoring equipment.

Included in the hands-on session will be the use of high-performance radio pairs, power supplies, cables and antennas. Participants will be given typical industrial user requirements and asked to perform a site survey, analyze the results and configure and test the radios to meet the requirements. Participants should bring their own laptop computers with administrator privileges and Internet Explorer version 7 or greater installed to make the best use of the tools provided.

**[WINA Working Wireless Hands-on Workshop: Providing Real World Insight Into Maximizing Wireless Performance](#)**

**Advance registration by September 20** is complimentary for WINA Members and \$100 for non-members. (If you are not a member [join WINA now](#) and qualify immediately for the complimentary registration.)

Registrants will need to login to the WINA web site to complete registration. **Space is limited and advance registration is strongly suggested.**

**To register for the September 24th workshop, please visit:**

**<http://wina.org/event/wina-working-wireless-hands-workshop-providing-real-world-insight-maximizing-wireless>**



**Working Wireless  
Workshop at ISA  
Automation Week Orlando**

Visit [www.wina.org/events](http://www.wina.org/events) for more information and to learn about other WINA events, webinars and resources.

## **About the Speaker**

Brian Cunningham has worked in the industrial automation field for the past 20 years in capacities ranging from Product Manager to Applications Specialist. For the last 11 years he has been with the [Cooper Bussmann, Wireless Business Unit](#), helping customers around the world specify, install and troubleshoot their wireless systems. Brian is a graduate of the Electrical Engineering Program at the British Columbia Institute of Technology, with a specialty in Process Automation and Instrumentation. Brian has been an ISA member since 1991. **Visit us at ISA Automation Week, Booth #867.**

## **About [WINA](#)**

Wireless Industrial Networking Alliance (WINA) is a nonprofit coalition of leading experts from industry; vendors, industry analysts, end users and thought leaders from academic and research institutions that serves as a trusted source of information by providing honest assessments about the key technological developments and balanced coverage of issues across a wide range of industries. Through its extensive network and educational outreach programs, WINA provides end users with current, timely, unbiased, and relevant information to further enhance productivity, efficiency and safety of industrial wireless applications. **Visit us at ISA Automation Week, Booth #865.**

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