

You are invited to an IEEE Meeting on Wednesday, June 16, 2010 (was 6/17)



Title: **"Cyber Security for Industrial Control Systems"**

Speaker: **Joseph Weiss, Managing Partner, Applied Control Solutions, LLC**

Date: June 16, 2010

Time: No-host social at 5:30 pm; Presentation at 6:15pm; Dinner at 7:15 pm;
Presentation continues at 8:00 pm; Adjourn by 9:00 pm.

Place: Marie Callender's Restaurant - The Garden Room; 2090 Diamond Blvd in Concord
(near the Concord Hilton Hotel). Call 925-827-4930 if you need directions.

RSVP: Please make reservations by June 16, by contacting Gregg Boltz at
email: gboltz@brwncald.com or telephone: (925) 210-2571

Cost: The cost of dinner is \$20 for IEEE members; \$25 for non-members.

Summary:

The convergence of Industrial Control Systems (ICS) with general information technology (IT) systems has created security vulnerabilities for the traditionally isolated ICS. The convergence is driven by: 1) the need to share process monitoring data among different corporate work groups; 2) the wide-spread adoption of Ethernet for data communication of ICS; and 3) the ability to leverage existing IT networks and backbone systems.

Corporate downsizing has led to the need for remote access to support ICS. Remote access includes dial-up, LAN/WAN, wireless, etc. With the flexibility of remote access come additional cyber security vulnerabilities. This presentation will describe what is control system cyber security, how it is different than business IT security, provide some actual examples of control system cyber incidents, and provide recommendations for what companies can do to better secure their systems.

About the Speaker:

Joseph Weiss is an industry expert on control systems and electronic security of control systems, with more than 35 years of experience in the energy industry. Mr. Weiss spent more than 14 years at the Electric Power Research Institute (EPRI). He provided testimony before three House subcommittees and one Senate Committee. He has published over 60 papers on instrumentation, controls, and diagnostics including a chapter on cyber security for Electric Power Substations Engineering and the book *Protecting Industrial Control Systems from Electronic Threats*. He was tasked to write the White Paper on Industrial Control Systems Security for the Center for Strategic and International Studies Blue Ribbon Panel preparing cyber security recommendations for the Obama administration. Mr. Weiss has conducted several SCADA, substation, plant control system, and water systems vulnerability and risk assessments and conducted short courses on control system security. He established and chairs the annual Control System Cyber Security Conference. Mr. Weiss is an ISA Fellow with two patents on instrumentation and control systems. He is a registered professional engineer in the State of California, and a Certified Information Security Manager.

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