This talk will explore control system cyber security, how is it different than IT security, what has actually occurred recently, and examples of what is being done by industry and DOD to address control system cyber security.

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) leading programs including the Nuclear Plant Instrumentation and Diagnostics Program, the Fossil Plant Instrumentation & Controls Program, the Y2K Embedded Systems Program, and the cyber security for digital control systems.

He serves as a member of numerous organizations related to control system security. These include the NERC Control Systems Security Working Group (CSSWG), the International Electrotechnical Commission (IEC) Technical Committee (TC) 57 Working Group 15 - Data and Communication Security, the Process Controls Security Requirements Forum, CIGRÉ WG D2.22 - Treatment of Information Security for Electric Power Utilities (EPUs), and other industry working groups.

Mr. Weiss has conducted SCADA, substation, plant control system, and water systems vulnerability and risk assessments.