Industrial Control Systems – Research and Analysis Environment

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Abstract – When considering the protection of critical infrastructure in the United States the so called cyber-physical connection is often mentioned, but not fully understood. This presentation will illustrate the impact of the cyber-physical relationship on a national scale and highlight new work being performed at Idaho National Laboratory that supports that effort. The presentation will focus on an information technology (IT) and industrial control system (ICS) research and analysis environment interlinked with work being performed to connect dependent and interdependent critical facilities and infrastructure across the nation. The picture is complete when including threat information and physics-based research.