



## 2017 Engineering Honors Banquet

Wednesday - November 1, 2017  
Reception 5:30 pm - Banquet 6:30 pm

Keynote: Joe Weiss PE, CISM, CRISC, ISA Fellow,  
IEEE Senior Member, Managing Director ISA99  
Applied Control Solutions, LLC

Ticket Required \$45.00

ICS cyber security is different than IT cyber security and is not well understood. Mr. Weiss has been able to amass a database of more than 950 ACTUAL control system cyber incidents in multiple industries world-wide including more than 300 in electric transmission and distribution. The impacts range from trivial to significant equipment damage to significant environmental damage to major region-wide power outages to deaths (more than 1,000 deaths to date and more than \$40 Billion in direct damages). Very few of these 950+ incidents were even identified as cyber which speaks volumes for the lack of control system cyber forensics and appropriate training.

Join us for the Engineering Honors Banquet to hear a key note presentation of the impacts of cyber security to our nation's infrastructure followed by an in-depth technical review on Thursday morning as a part of the overall technical sessions at this year's

Joint Engineers Conference.

Joe Weiss will provide a state-of-the-state of control system cyber security. The presentation will address what makes control system cyber security different than IT security, a discussion of selected ICS cyber incidents in multiple industries including a detailed discussion of the Bellingham, WA pipeline rupture and what it means to safety and security, and what can be done today