



2019 Operations & Process Technology Summit  
October 14-16, 2019  
San Antonio, TX

**CYBERSECURITY**

**Monday, October 14**

9:00 am – 10:00 am

**Stop Auditing and Start Managing Risk (aka "Cyber PHA")**  
aeSolutions

A case study review of an oil & gas company that had a traditional cybersecurity program and their early attempts to apply it to the OT environment. Implementation, challenges, benefits and lessons learned will be discussed.

10:15 am – 11:00 am

**The What, Why, and How of IT/OT Convergence**  
PricewaterhouseCoopers

This session will discuss what is meant by convergence and the varying degrees of it being realized, why it occurs and how it can be managed, designed, implemented, and operated.

11:00 am – 11:45 am

**Considerations for Industrial Internet of Things (IIoT)  
Cybersecurity**  
Emerson Automation Solutions

There is a real need for collaboration between IT and OT to create systems that are cyber secure. The consequences of insecure configurations and installations can include loss of data, inaccurate data, and theft of intellectual property.

2:00 pm – 2:45 pm

**Town Hall: Wireless within Refining – IT & OT  
Lessons Learned**  
Sinclair Oil Corporation  
CHS Refinery



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2:45 pm – 3:30 pm

**Five OT Cybersecurity Attack Scenarios and How to Defend Against Them**

PAS Global, LLC

This session will review five real-world OT asset cybersecurity attack use cases and identify strategies you can use to defend against them.

3:45 pm – 4:45pm

**Little Arc Flash Demo: How Digital Attacks Can Cause Physical Ramifications**

U.S. Department of Homeland Security

A live hack presentation of attacking a power grid, starting from an attack against an employee and moving down the network to cause physical destruction on operational technology equipment.

4:45 pm – 5:15 pm

**Cybersecurity and Data Export for Data Analytics and Machine Learning Platforms**

Air Products and Chemicals, Inc.

This discussion will focus on how to navigate machine learning and data analytics based in clouds not physically located in any one country and what that means in terms of cyber security risks and data export laws. Specific regulations concerning China, Kingdom of Saudi Arabia, and the US will also be discussed.