



Beware before the breach with:

***Cyber-Physical Attacks* -- Disaster Resilience Begins with You**

Cyber attacks have increased exponentially in recent years, and no critical infrastructure is immune from the invisible threat. As chemical engineers we are uniquely equipped to help address this new cyber reality and avoid loss of life in the chemical industry and surrounding communities, around the globe.

Join our special guest CBE Alum, Cynthia Spade DeBisschop (1993) who will present “Cyber-Physical Attacks.”

All CBE undergrad students, graduate students, and faculty are welcome to attend.
If you are on Co-op please also try to attend.

Date: Wednesday, March 15, 2017

Time: 5:30 pm to 7:15 pm

Location: Hill Conference Room

You Will Learn:

- History of Cyber-Physical Security Incidents
- Basic Concepts/Definitions of the Cyber-Physical Domain
- Industrial Control Systems Vulnerabilities including SCADA, Stuxnet & more
- Cyber-Physical Attack Steps: It All Starts with Research & Reconnaissance
- Bet on Hope: Countermeasures & Protection Mechanisms
- How You Are Uniquely Equipped to Help
- Sample Job Announcements Indicating You Are Needed Now
- Parting Thought: Stay Tech-Savvy throughout Your Career

Presenter Bio:

Dr. DeBisschop graduated from Drexel in 1993 with a BS in Chemical Engineering. She started her career in Specialty Gases before obtaining an MS/PhD in Engineering Sciences and Applied Mathematics from Northwestern. She has held various positions in academia, as an applied mathematics professor and as a chemical engineering professor, and in industry as a research analyst. Cynthia is Past Chair of the AIChE National Capital Local Section.