



Schedule At A Glance

The Congress on Safety in Engineering and Industry 2020 (Safety Congress 2020) will feature a broad cross-section of subject matter experts and thought leaders representing industry, regulatory organizations, and academia to share best practices and perspectives on the future of safety management. Keynote and plenary speakers will introduce broad issues in their presentations followed by breakout sessions to allow attendees the opportunity to dive deeply into topics.

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Sunday, June 21, 2020	
Course: Process Safety in Engineering and Industry, based on the CCPS one-day overview of risk-based process safety	
Day 1: Monday, June 22, 2020	
8:00 a.m.	Opening Remarks
8:15 a.m.	Keynote: Controlling Risk in a Dangerous World
9:30 a.m.	Plenary Session
The Value Proposition for Safety Current safety management knowledge and concepts indicate a need to start addressing safety during planning and design. Using the hierarchy of controls as a starting point, this presentation outlines recommended practices for such a program that takes advantage of both design and construction to promote safe work sites.	
11:30 a.m.	Breakout Sessions
<ul style="list-style-type: none"> • The Role of Health, Safety, and Environmental (HSE) Management Systems • Integration of Safety in Regulatory Frameworks • Leadership Development 	
1:00 p.m.	Lunch on Own
2:00 p.m.	Breakout Sessions
<ul style="list-style-type: none"> • University Safety Culture Best Practices & Opportunities • Effectively Managing Complex Systems • Leadership for Today's 24/7 Problems 	
4:00 p.m.	Breakout Sessions
<ul style="list-style-type: none"> • Funding Effective Partnerships for Improving Safety • Unmanned Aircraft Systems (UAS): The Changing Face of Risk in Facility and Infrastructure Inspections • The Day We Will Remember—Safety Leadership on a Personal Level 	
6:00 p.m.	Welcome Reception
Day 2: Tuesday, June 23, 2020	
8:00 a.m.	Plenary Session
Executing an Effective Risk Management Program Risk management is critical to all industries, as well as laboratory environments, but unfortunately it sometimes requires a disaster to remind us of this fact. Once risk is identified, we all have a responsibility to understand the consequences by finding economically viable solutions that either eliminate the risk, mitigate it, or find a way to manage it to an acceptable level.	

10:00 a.m.	Breakout Sessions
<ul style="list-style-type: none"> • Suicide and Fatigue in Construction and Other Industries—Something We Need to Talk About • Incident Investigation • Identifying Critical Issues during the Review of Lift Plans for Cranes and Alternative Lifting Methods 	
11:30 a.m.	Lunch on Own
1:00 p.m.	Plenary Session
The Role of Technology & Innovation in Improving Safety Performance What innovations are in the works and what should we expect to see in the future that will help improve safety in our working environment? We also must ask, what new risk might we introduce with these new technologies?	
2:30 p.m.	Early Career Professional & Student Session, Coincides with Coffee Break
4:00 p.m.	Breakout Sessions
<ul style="list-style-type: none"> • Preparing University Students for Industry • Case Studies: Challenges in Learning from the Past • Interfacing Workers and Machinery in an Industrial Environment 	
6:00 p.m.	Dinner with Keynote: "The Power of Collaboration to Improve Safety"
Day 3: June 24, 2020	
8:00 a.m.	Plenary Session
Leading the Future of Safety by Learning from the Past The essential elements for world-class safety are: leadership commitment; clearly documented and well-communicated roles, responsibilities, and requirements; employee participation in creating and implementing safe work procedures; and a robust safety management system grounded in continual improvement. This presentation will discuss the development and evolution of each of these elements as part of the NIST journey that led to the safety management system, practices, and culture that we have today.	
10:00 a.m.	Breakout Sessions
<ul style="list-style-type: none"> • Prevention through Engineering Design • The Role of More Effective Data Management • Risk Identification and Tolerance 	
11:30 a.m.	Event Wrap-up and Closing Remarks
<ul style="list-style-type: none"> A. Prevention through Engineering Design B. The Role of More Effective Data Management C. Risk Identification and Tolerance 	
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