

# 2020 EHS & Risk Technology Summit

The future is now! Join the innovation conversation.

Thurs. Nov. 12, 2020  
Virtual Summit

Hosted by



AMERICAN SOCIETY OF  
SAFETY PROFESSIONALS



in partnership with University of Texas System

## Detailed Agenda

8:30am – 8:40am

**Welcome & Introductions**

8:40am – 9:30am

**Morning Keynote: Emerging Risks Technology Advancements**

*Scott Klososky, Founding Partner, Future Point of View*

The keynote session will cover where technology is going in the next 5-10 years and how a lot of people are talking about today as the “Golden Age” of technology. This session will discuss how technology continues to push the envelope in security, safety and health in all aspects of our lives.

Learning Objectives:

- Attendees understand what to look for how to prepare for the workforce in the future.
- Attendees will be able to understand the emerging risks of technology in the workforce.
- Attendees will understand how Coronavirus has changed society and if it will continue to change society.

9:30am – 10:15am

**Leveraging Mobile Technology to “Fix” Pre-Task Planning**

*Lane Smith, Safety Manager, DPR Construction*

This session will help fellow safety professionals understand how the paper process has failed, how high-quality planning conversations drive better production and safety outcomes, It has never been easier to make progress on this broken process, three specific and proven actions safety professionals can take to improve their daily planning conversations.

Learning Objectives:

- Attendees will learn how high-quality planning conversations drive better production and safety outcomes.
- Attendees will learn how to use technology to fix a broken process.
- Attendees will learn three specific actions safety professionals can take to improve their daily planning conversations.

10:15am – 10:25am

**Break**

Event Website: <https://www.cvent.com/d/pyqyc4>

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10:25am – 11:10am

## Reliability Engineering for Humans

*Mathew Hart, Founder/CEO, Soter Analytics*

During the presentation you will learn why people are the same as machines (and why they are not) and how the same reliability techniques that helped avoid mechanical breakdowns can also be used to help humans from breaking down. This fresh perspective will change the way you think about worker safety and how to build a strategy that maximizes the productivity of an employer's biggest asset - their workforce.

Key takeaways

- Techniques that are used by engineers that can be applied by Safety Professionals
- How to apply these techniques in your workplace
- Why and how every Safety Professional must become a data expert

11:10am – 11:55am

## Immersive Technologies in the Workplace

*Justin Lopez, Senior Consultant, BSI Consultant*

This session will cover how current travel and quarantine restrictions have forced groups to look at new and innovative ways to perform some of our day-to-day EHS tasks. Immersive technologies have seen a drastic increase in use to perform work virtually. By going through case studies, this talk will cover the value of immersive technologies in the workplace, best practices on using immersive technologies and lessons learned when performing virtual work.

11:55am – 12:30pm

## Lunch Break

12:30pm – 1:15pm

## An Engaged Workforce with VR Simulation

*Jonathan Parnell, SVP-Product Development, Industrial Training International, Inc.*

As a training company with over 30 years of experience in the industry, ITI is able to call on both the internal expertise of our training staff and industry experts from renowned companies such as Bechtel, Kiewit, DPR Construction and Liberty Mutual to ensure we developed the most realistic, accurate and effective jobsite safety application.

ITI VR Construction Hazard ID improves safety performance and reduces risk of incidents amongst the construction workforce. By immersing users in a rich VR experience, we make learning about construction risk domains fun for the end user. Our application presents students with practical scenarios that they are apt to encounter on a construction site, including: risks associated with hand tools,

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lifting and rigging, electrical safety/LOTO, environmental and industrial hygiene, confined space and hot work, mobile equipment and personnel, excavation and trenching, dropped objects, fall protection, scaffolding and silica.

The portability and convenience of deploying the application make this high-tech solution reasonable for any construction site and company, regardless of location. The immersive experience is language and craft agnostic as it presents the user with visual cues of common hazards and best practices, instead of the traditional 'multiple choice test in VR'.

Takeaways:

1. Immersive and engaging
2. Language and craft agnostic
3. Cost effective workforce development

1:15pm – 2:15pm

## Virtual Exhibit Hall Scavenger Hunt

Our sponsors and exhibitors have created detailed profiles in our virtual exhibit hall. Attendees can visit the hall, "meet" exhibitors, and learn unique information about each organization to complete the scavenger hunt. Correctly completed scavenger hunt forms will be entered to win valuable prizes!

2:15pm – 2:30pm

## Break

2:30pm – 3:15pm

## Creating a Technology Roadmap for EHS&S Excellence

*Sameer Vyas, Partner, Huco Consulting, Inc.*

This session will cover the best strategies to select the right tool(s) for your organizational needs today and in the future, as your company grows and needs to manage data more efficiently. This session will empower attendees to embark on the EHS technology journey, set goals to meet technology objectives, and succeed with the best application for your needs. During the session, attendees will complete a workbook for their organization that can be utilized for the remainder of the conference and beyond.

Learnings Objectives:

- Attendees will learn how to create a digitization plan to ensure alignment on objectives, schedule and scope.
- Attendees will be able to validate relevant and thorough requirements against proven solutions.

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- Attendees will be able to recognize avoidable common pitfalls and mistakes that organizations make that can result in wasted effort and financial resources.

3:15pm – 4:00pm

## Closing Keynote: Technological Advances Enabling Development of a Safe & Effective Sars-Cov-2 Vaccine

*Jason McLellan, Associate Professor, The University of Texas at Austin*

This session will cover Jason McLellan's laboratory's collaborative work understanding the structure and function of coronavirus spike proteins, and how we leveraged this information to design novel vaccine antigens that are in four out of the five leading COVID-19 vaccine candidates. This session will cover how their team was able to rapidly determine the structure of the SARS-CoV-2 spike protein earlier this year and leverage that information into the design of second-generation spikes that are more stable and express better than our initial variants. This work highlights the importance of basic science research prior to pathogen emergence and demonstrates how innovation, platform development and at-risk manufacturing can enable rapid vaccine development without comprising safety.

### Learning Objectives:

- Attendees will gain an understanding of how manufacturers have been able to create SARS-CoV-2 vaccines in record time.
- Attendees will gain knowledge enabling the attendee to dispel the myths and reinforce the truths of pending vaccine.
- Attendees will develop an understanding of vaccination strategies and then be able to inform your organizations decision making.

4:15pm – 5:00pm

## Happy Hour Trivia Networking Event

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