SAFETY ON THE EDGE GLOBAL FORUM

26-27 March
2025
Virtual Forum - 1 & 2 April

Safety On The Edge

GLOBAL FORUM 25

University of California, Berkeley

The Safety On The Edge Global Forum will break new ground, generate *cutting-edge* thinking, and build upon leadership practices that have proven successful in the past, placing the safety profession at the leading edge of management and leadership.

Our impressive speaker list includes:

Speakers from Industry: NASA (Rodney Rocha), **Siemens** (Carroll Higdon), **Southern Company** (Kim Greene, CEO), **Pernod-Ricard** (Carole Smets), **L'Oréal** (Malcolm Staves), **Ball Corporation** (Ruairi Connor), **Xylem** (Jay Harf), **Merck KGaA** (Cheryl McClellan), **Tesla** (Laurie Shelby).

Thought Leaders and Academia: Dr Manal Azzi (ILO), Kimberly Blanchard, Dr Todd Conklin, Dr Philippe Delquié, Prof. Andrew Hopkins, Hans-Horst Konkolewsky (IORPF), Dr Tom Krause, Jean-Christophe Le Coze, Prof. Nektarios Karanikas (QUT), Lorraine Martin, (Pres. NSC), Pam Walaski (ASSP).

Safety leaders/practitioners: Christl Aggus (HSPC), Dee Arp (NEBOSH), Lisa Brooks, John Dony, Travis Ellis and Eric Fox (L'Oréal), Rebecca Hickman (RoSPA), Stuart Hughes (IOSH), Sarah Ischer (NSC), James Junkin, Ben Legg, Neil McFarlane (DSMF), Dr Marcin Nazaruk, Louisa Nora, Kathy Seabrook, Larry Sloan (AIHA), Dr Dan Snyder and many others.

In our swiftly changing world, safety takes center stage like never before. As we witness profound social and technological shifts in societies and step into the fast-approaching future, the paradigms of safety are evolving at an unprecedented pace yet, globally, preventable fatality rates are alarmingly high, even on the rise - and catastrophic events are becoming commonplace.

The **Safety On The Edge Global (Safety On The Edge) Global Forum 2025** will help you navigate this complex world through sharing, networking, and learning, helping you and your organizations understand what is out there, how it could play a role in your organization, and support your drive to become future fit.

As different approaches to safety exist, with new ones evolving in today's changing landscape, key questions arise about their pertinence and validity and in what context. Are they all right, are they all wrong or is it somewhere in between? Which are best suited for a world of complex technologies, what is the role of Artificial Intelligence, how do they address the challenges of transient workforces and the gig economy, and what about Industry 4.0/5.0?

Safety On The Edge 2025 will help you explore and navigate this complexity, see and understand what is out there, and make informed decisions.

Do we have effective bridges between industry needs, academic capabilities and practitioners' offerings?

This 2-day Global Forum is hosted at University of California, Berkeley, in association with industry giants L'Oréal, and facilitated by industry leaders Safemap and NASP. This inaugural event will be a forum of sharing and networking at the highest level, bringing together safety leaders from industry, academia, and professional institutions under one roof with one common objective: to make a difference and keep people safe and healthy. This forum will be at the forefront of practices, methods, and tools that are effective in today's modern complex world.

It will be the *premier annual global* event that *merges* theory and practice, academia with industry, and professionals, *in order to disseminate* expertise on complex organizational systems. Safety On The Edge 2025 will connect theory and research with the realities of everyday work.

The forum on 26-27 March 2025 features thought-leaders in safety, industry executives, and academics as keynote speakers, presenters, and facilitators all in one place, Safety On The Edge 2025. Sharing and learning will be through presentations, debates and panel discussions around burning issues.

The Forum will be preceded, and followed, by a series of on-line webinars, to analyze, reflect, preview, and nourish the deliberations through sharing and learning. Safety On The Edge will channel and facilitate future safety research which will lead to the publication of papers in safety journals. All profits from the Forum will be channeled to selected charities.

Safety as we have done it to date, will not be safety as we do it in future. It will need to:
- Be grounded in sound theory and science.
- Transcend narrow performance parameters.
- Impact complex environments in real-time.
- Transfer seamlessly to the front lines.
- Contribute to innovation, reliability and bottom-lines.

REGISTRATION INCLUSIONS

Podcasts
Thoughtful conversations with influential safety people.

Webinars
Engage with and learn from global safety leaders.

Market Square
Connecting services and experience with those in need.

Whitepapers
Tap into a wealth of cutting edge knowledge and research.

Key Global Forum Themes

Paradigm Shifts

Dive into discussions on the need for new safety management paradigms that adapt and shift dynamically with evolving business realities and societal trends.

Enabling discourse

Different approaches to safety exist and new ones evolving in a changing landscape. Key questions arise: Which are suited for a world of complex technologies, Artificial Intelligence, transient work forces, the gig economy and Industry 4.0 or 5.0.

Innovative Management Models

Discover ground-breaking safety management models designed to proactively address emerging risks in our fast-paced environment.

Powerful Alliances

Forge connections between theory and practice, creating a powerful alliance that fosters safety excellence in both academia and the business world.

Adapting to the Future

Uncover strategies to navigate the challenges posed by Industry 4.0 (and 5.0), where new business practices and exponential technological advancements are the norm.

Accelerate Technology and Safety

Explore the impact of rapid technological advancements on safety practices and learn how to harness safety engineering and technology for enhanced safety measures.

Global Forum Streams

Stream 1

- Leadership, Culture and Organizational Development (OD)
- New Safety Paradigms (NSP)
- Behavioral/Cognitive models

Stream 2

- Risk Management
- Process Engineering
- Safety Technology

Stream 3

- High Reliability Organizations (HRO)
- Systems Engineering
- Resilience Engineering

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SHARE - NETWORK - LEARN - APPLY

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Call for abstracts in the following fields of study and application.

Stream 1

Leadership, Culture and Organizational Sustainability/ESG)

The field of leadership, culture, and organizational development in safety integrates leadership, a positive safety culture, and organizational sustainability. It emphasizes leadership, commitment, effective communication, trust, and employee engagement. Key aspects include training, ensuring safety is a core value embedded in all organizational operations, and a focus on mental wellness and psychological safety and psychosocial risks..

New Safety Paradigms

The field of 'New Safety Paradigms', or Safety-II/Differently and HOP, emphasizes adaptability, resilience, and positive outcomes in complex systems. It focuses on resilience, human factors, and learning from success, viewing safety as an emergent property of interconnected elements. This approach prioritizes proactive safety management, understanding specific contexts, and enabling systems to function successfully under varying conditions.

Behavioral/Cognitive

The behavioral field in safety focuses on understanding and influencing human behaviors to improve safety outcomes in various environments, such as workplaces, homes, public spaces, and transportation systems. This field integrates principles from psychology, sociology, human factors, and organizational behavior to design interventions that promote safe practices and reduce the risk of accidents and injuries.

Stream 2

Risk management

Risk management in safety involves identifying, assessing, and mitigating risks to protect individuals and assets. Key components include hazard recognition, risk evaluation, and implementing risk reduction strategies. This includes developing safety protocols, emergency plans, and regulatory compliance. Continuous improvement, crisis management, safety culture, and technology integration for real-time monitoring and predictive modeling are essential. It's a dynamic, collaborative process requiring ongoing commitment. This aspect includes high risk, catastrophic yet low probability as well as serious injury and fatality (SIF) prevention management.

Safety/Process Engineering

Safety/Process Engineering ensures safe, efficient operations across industries by identifying hazards, assessing risks, and implementing safety measures primarily through safety by design or design for safety. Key aspects include risk assessments, integrating safety features, complying with standards, hazard analyses, designing safety systems, emergency preparedness, considering human factors, enhancing reliability, process safety, accident investigations, and communication.

Safety Technology – Next Generation Tools

Safety technology leverages advanced tools to enhance safety, mitigate risks, and prevent accidents across industries. It may use real-time monitoring, sensors, IoT devices, predictive analytics, machine learning to detect hazards as well as the numerous applications of Artificial Intelligence. Key aspects include Safety Instrumented Systems, drones, robotics, wearable tech, AR/VR training, automation, biometric access, communication systems, virtual assessments, blockchain for safety records, and autonomous vehicles, all promoting safer work environments.

Stream 3

High Reliability Organizations

High Reliability Organizations (HROs) thrive in complex, high-risk environments by ensuring exceptional reliability and safety management. Key traits include constant vigilance, avoiding oversimplification, operational sensitivity, resilience, continuous learning, deference to expertise, mindfulness, decentralized decision-making, redundancy, crisis preparedness, open communication, and strong leadership. HROs empower front line workers, value expertise, and foster a culture of openness and continuous improvement, benefiting industries like aviation and healthcare.

Systems Engineering

Systems engineering is an interdisciplinary field focusing on the design, integration, and management of complex systems. It involves requirements engineering, system design, integration/testing, and life cycle management. Key aspects include risk mitigation, decision analysis, modeling, simulation, configuration management, and verification/validation. Interdisciplinary collaboration and quality assurance are essential. Applied across industries like aerospace, defense, automotive, healthcare, and IT, it ensures efficient and effective outcomes through integrated systems methodologies.

Resilience engineering

Resilience engineering, emerging from high-risk industries like aviation and healthcare, enhances complex systems' ability to handle unexpected challenges whilst managing their impact. It focuses on system complexity, adaptation to changes, and learning from successes and failures. Emphasizing human factors and proactive preparation, it fosters a safety culture beyond rule compliance. Applied in IT and finance, it aims to fortify systems against uncertainties through the promotion of flexibility and adaptability.