



Measuring the Impact of Voluntary Consensus Standards on Human Health and Safety

A Virtual Workshop via Zoom

Thursday, October 28, 2021
11:00am – 4:00pm Eastern

Advance Registration Required
Register at www.ansi.org/wsweek

Hosted by the American National Standards Institute
in partnership with Underwriters Laboratories Inc. and the U.S. Consumer Product Safety Commission





The purpose of this workshop is to share best practices and methodologies related to measuring the impact of voluntary standards on human health and safety with the goal of building upon existing work and fueling future collaboration to develop common measurement methodologies.

This event will be recorded. Those participants who choose not to be recorded should keep your video and audio off throughout the event. Participant audio and video should be muted during the formal presentations; video is encouraged during the open Q&A sessions; audio may be unmuted if called upon by a moderator to ask or answer a question. Written questions can be submitted at any time via the chat; the chat will be monitored by a meeting host and questions of clarification will be addressed as soon as possible. General questions and observations will be held for discussion during the open Q&A later in the event program.

Time	Discussion Topic and Speakers
11:00 am – 11:05 am	Welcome <ul style="list-style-type: none"> Joe Bhatia, President & CEO, American National Standards Institute (ANSI)
11:05 am – 11:15 am	Keynote Address <ul style="list-style-type: none"> Laurie E. Locascio, Ph.D., Vice President for Research, University of Maryland
11:15 am – 1:00 pm	Session 1: Presentations Session one will set the stage for the day's discussions with presentations on the use of data, the economic and business cases for measuring standards' impact on health and safety, and case studies on quality management systems and leading and lagging indicators. Moderator <ul style="list-style-type: none"> Scott Ayers, Voluntary Standards Specialist, U.S. Consumer Product Safety Commission (CPSC) Presenters <ul style="list-style-type: none"> USE CASE Casey Granata, Senior Project Manager, Underwriters Laboratories, Inc. (UL, Inc.)

	<ul style="list-style-type: none"> • ECONOMIC CASE Chris Dockins, Senior Economist, U.S. Environmental Protection Agency (EPA) • BUSINESS CASE Adi Iyer, Manager of Government Relations, CSA Group • CASE STUDY: QUALITY MANAGEMENT SYSTEMS Amanda Benedict, Vice President, Standards, Association for the Advancement of Medical Instrumentation (AAMI) Rui (Ray) Peng, General Engineer/Senior Standards Advisor, U.S. Food and Drug Administration (FDA) • CASE STUDY: LEADING AND LAGGING INDICATORS Tim Fisher, Director of Standards and Technical Services, American Society of Safety Professionals (ASSP)
1:00 – 1:30 pm	Break
1:30 – 3:10 pm	<p>Session 2: Panel Discussion</p> <p>Session two will further develop the themes raised during the morning with a moderated panel discussion featuring representatives of government, standards developing organizations, the workplace, consumers, and manufacturers.</p> <p>Moderator David Wroth, Director, Data Science, Underwriters Laboratories, Inc. (UL, Inc.)</p> <ul style="list-style-type: none"> • Amanda Benedict, Vice President, Standards, Association for the Advancement of Medical Instrumentation (AAMI) • Randy Cooper, Vice President of Technical Operations & Standards, Association of Home Appliance Manufacturers (AHAM) • Tim Fisher, Director of Standards and Technical Services, American Society of Safety Professionals (ASSP) • Casey Granata, Senior Project Manager, Underwriters Laboratories, Inc. (UL, Inc.) • Don Huber, Principal, Compliance Program Services LLC • Charles Johnson, President and CEO, International Safety Equipment Association (ISEA) • Doug Morton, Vice President, Government Relations, CSA Group • Elise Owen, Standards Executive, U.S. Environmental Protection Agency (EPA)
3:10 – 3:20 pm	Break
3:20 – 3:50 pm	<p>Open Dialogue with Audience Q&A</p> <ul style="list-style-type: none"> • Moderators Scott Ayers and David Wroth
3:50 – 4:00 pm	<p>Wrap-Up & Next Steps</p> <ul style="list-style-type: none"> • Moderators Scott Ayers and David Wroth

About the Presenters

Speakers	
	<p>S. Joe Bhatia has been president and CEO of the American National Standards Institute (ANSI) since January 2006. He previously served as executive vice president and COO of the international group at Underwriters Laboratories. Among his numerous leadership positions in domestic and global forums, Mr. Bhatia serves as vice chairman of the Industry Trade Advisory Committee on Standards and Technical Trade Barriers (ITAC 16), a joint program of the U.S. Department of Commerce and U.S. Trade Representative. He is a member of the International Organization for Standardization (ISO) Council and its Council Standing Committee on Finance. And in 2017 he concluded his term as president of the Pan American Standards Commission (COPANT), where he also served as vice president for four years. Mr. Bhatia holds a bachelor's in electrical engineering and a master's in business management.</p>
	<p>Laurie Locascio is currently vice president of research at the University of Maryland. On July 16, 2021, President Biden nominated Dr. Locascio to serve as the director of the National Institute of Standards and Technology. She previously spent three decades at NIST, most recently as acting principal deputy director and associate director responsible for leading the internal scientific research and laboratory programs across two campuses in Gaithersburg, Maryland, and Boulder, Colorado.</p>
Moderators	
	<p>Scott Ayers is a voluntary standards specialist at the U.S. Consumer Product Safety Commission. He serves as chair of the CSA technical subcommittee on gas ranges and the ASTM task group on flame mitigation devices on disposable flammable liquid containers. He is active in several other ASTM, UL, CSA, NFPA, and ASHRAE voluntary standards committees, focusing on fire and life safety of consumer products. Mr. Ayers has been with the Commission for 11 years and is a registered professional engineer with a bachelor's in mechanical engineering and master's in fire protection engineering.</p>
	<p>David Wroth is the director, data science at Underwriters Laboratories Inc. Previously, he managed UL transformation and information technology initiatives related to UL standards, testing and certification, and surveillance services. Throughout Mr. Wroth's career, he has championed the innovative use of data to support operations in critical safety fields. At UL, he teamed with stakeholders and researchers to develop the Thermal Runaway Incident Program, capturing critical data on lithium battery incidents in aviation. He also formed the first Data Science team at UL and leveraged their expertise to apply composite indicators to estimate comparative levels of national safety. Mr. Wroth was instrumental in the conceptual development of an information platform to capture additional data on product safety through conformity assessment and laboratory operations. Before joining UL, Mr. Wroth applied data analytics to improve nuclear power plant maintenance and parts logistics and created an information solution to remediate key Year 2000 vulnerabilities in hospitals and power plants. Mr. Wroth is a retired US Army officer. He received his bachelor's in</p>

	nuclear engineering in 1982 from Purdue University and a master's in business administration in 2011 from the Lake Forest School of Management.
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Panelists and Presenters



Amanda Benedict, MA, AStd, (Sessions 1 and 2) is vice president, standards at the Association for the Advancement of Medical Instrumentation (AAMI) since 2020, after joining AAMI as a standards director in 2015. In addition to overseeing the strategic and operational functions of AAMI’s expansive and dynamic standards program and portfolio, her work includes managing the national and international work program for the AAMI Sterilization standards portfolio, which includes serving as the secretary and U.S. TAG Administrator for ISO/TC 198 on sterilization of health care products. Ms. Benedict previously served two terms on the board of directors of the Society for Standards Professionals (SES) and in August 2020 was honored with the SES/CSA Lorne K. Wagner Memorial Award in recognition of outstanding contribution to SES. Ms. Benedict holds a bachelor’s in psychology, a master’s in education and human development from the University of Maryland, College Park, and an Associate Standards Professional Certification (AStd).








Randy Cooper (Session 2) is the vice president of technical operations at the Association of Home Appliance Manufacturers (AHAM), since 2016. In this role, he is the staff leader on a host of technical and regulatory issues, including liaison with safety and performance standards organizations. He is the staff coordinator for technical activities on recycling, product safety, and technical trade issues and coordinates AHAM's Product Safety and Liability Conferences. Mr. Cooper is a veteran appliance industry leader with 27 years of experience with Whirlpool and Maytag prior to coming to AHAM. He has held leadership positions in product design, research and development, global product approval, design for product safety, and standards. Mr. Cooper is also a certified Black Belt in Lean Six Sigma.



Chris Dockins (Session 1) is an economist at the National Center for Environmental Economics (NCEE) at the U.S. Environmental Protection Agency (EPA). His work and research have largely focused on the evaluation and valuation of human health risks and the frontier between human health risk assessment and economic analysis, as well as the use of stated preference methods for valuing human health and the environment. Mr. Dockins has a Ph.D. in economics from Duke University and teaches economics courses at Johns Hopkins University and the University of Maryland.



Timothy R. (Tim) Fisher, CSP, CHMM, CPEA, ARM, STS, CAE, FASSP, (Sessions 1 and 2) is director of standards and technical services at the American Society of Safety Professionals (ASSP). With ASSP since 1995, Mr. Fisher provides direction in the overall administration and operation of the technical aspects of ASSP-related standards programs and publications. During his ASSP career, he also served as director of practices and standards and as manager of governmental affairs and relations. Prior to joining ASSP, he was facilities and operations manager in the insurance industry, and served in the U.S. Air Force from 1983 to 1987 in fire protection and flight line search and rescue. A professional member of ASSP, Mr. Fisher holds a master’s in industrial management-safety and industrial hygiene from Northern Illinois

	<p>University, a master's in public administration from University of Illinois-Chicago and a bachelor's in management from the University of Maryland, University College. Mr. Fisher was elected as a fellow of the American Society of Safety Professionals in May 2021.</p>
	<p>Casey Granata (Sessions 1 and 2) is a standards technical panel chair/project manager for Underwriters Laboratories (UL). As a member of the UL Standards organization, his role entails overseeing various technical panels in the energy and power technology industry primarily focused on industrial control and power distribution. Mr. Granata also serves as a project manager in the energy and power technology industry in a hybrid capacity. Safety considerations can be challenges when working with both new and legacy technologies, and he finds collaborative standards development to be a crucial tool in deployment of safety science. Mr. Granata has more than 8 years of experience in standards development and enjoys helping the extended community learn why standards in our world matter.</p>
	<p>Don Huber (Session 2), principal at Compliance Program Services LLC, is a quality assurance and product integrity manager with extensive experience in the areas of quality management system development, industry-wide safety standards development, regulatory compliance, risk management, hazard analysis and prevention, verification and validation testing, and test laboratory management. Mr. Huber's experience includes juvenile products, toys, medical devices, and consulting.</p>
	<p>Adi Iyer (Session 1) joined CSA Group in 2017 as manager, government relations. His background includes management positions in energy, healthcare and government sectors, where he had a range of responsibilities such as corporate affairs, strategic communications, and issues management. He holds a master's in business administration from Queen's and Cornell Universities, a master's from Carleton University, two bachelor's degrees from the University of Toronto, and a public relations certificate from Ryerson University.</p>
	<p>Charles Johnson (Session 2) is the president and CEO of the International Safety Equipment Association (ISEA), the trade organization for personal protective equipment (PPE) and technologies. Mr. Johnson previously served as the vice-president of policy for The Aluminum Association where he worked for 18 years, acting as a strategic advisor to advance the aluminum industry's interests in Washington DC and abroad. His responsibilities have included federal affairs, environmental regulation, occupational health and safety, community and consumer protection, international regulation, and sustainability. Mr. Johnson holds a bachelor's degree from the University of Mississippi and a master's in international environmental policy from The American University.</p>
	<p>Doug Morton (Session 2) joined CSA Group in 2008 and has been responsible for government relations since 2012. He has over thirty years of executive management experience in a variety of market sectors, including healthcare and telecommunications, with internationally renowned companies such as Siemens and Bell Canada. He also has extensive global experience, having completed assignments in both Europe and the Middle East.</p>



Elise Owen (Session 2) is the Environmental Protection Agency's (EPA) standards executive, coordinating the Agency's use of and participation in voluntary consensus standards as directed by federal law and policy. There are over 4,500 references to standards in EPA regulations, and the Agency uses standards extensively in voluntary programs like ENERGY STAR and other policy activities. More than 100 EPA staff participate the development of standards on topics ranging from pesticides to water conservation, green buildings to air quality.



Rui (Ray) Peng (Session 1) started at the U.S. Food and Drug Administration (FDA) as a researcher specializing in medical imaging systems before joining Standards Management Staff (now Standards and Conformity Assessment Program) in 2014. At CDRH Standards Program, Dr. Peng has managed standards activities in various medical device areas, and for the past five years, he has been overseeing standards work in Nanotechnology, Radiology, Electric Safety/EMC and the Quality System/Risk Management side for CDRH, and actively engaging with SDOs at national and international level. Currently he serves as the CDRH representative to USNC (of the IEC) Technical Management Committee, as well as the US TAG of IEC TC62 and TC62/SC62A, facilitating the consensus process across the wide range of standards work in 60601 series. Dr. Peng received his Ph.D. in Applied and Material Sciences from the University of North Carolina at Chapel Hill in 2010.