

TUESDAY, AUGUST 6, 2019

- 7:00 a.m. to 8:00 a.m.** Registration
- 8:00 a.m. to 1:00 p.m.** *Fundamentals of Standards and Conformity Assessment: Basic Knowledge and Tools for Today's Professional*

See registration form for course rates.

- 1:00 p.m. to 5:00 p.m.** *NextGen Standards Professional Workshop*

There is no fee to attend the workshop for attendees of the 68th Annual SES Conference but registration is required.

- 4:00 p.m. to 6:00 p.m.** Registration
- 4:00 p.m. to 5:30 p.m.** Exhibits
- 6:00 p.m. to 8:00 p.m.** Welcome Reception

WEDNESDAY, AUGUST 7, 2019

- 7:30 a.m.** Registration, Breakfast, and Exhibits
- 8:45 a.m.** Official Opening
- Mark Ramlochan**, ULC Standards, SES Conference Chair
Edward Mikoski Jr., CStd, FSES, Electronic Components Industry Association, SES President
- 9:00 a.m.** Keynote Address: *Canada's Standardization Network: A Strong Economic Future Built on Standards*
- Chantal Guay, ing. P.Eng.**, Chief Executive Officer, Standards Council of Canada
- 9:45 a.m.** Refreshment Break and Exhibits
- 10:15 a.m.** *Session 1: The Interdependence of Quality and Standardization*

The value that standards or standardization brings to users, be it regulatory bodies, designers, manufacturers, service providers, or consumers, is enormous. Standardization decreases ambiguity and estimation, guaranteeing quality, boosting productivity, and increasing employee morale. Quality standards also have a definitive role in ensuring the performance and safety of products and processes, and can increase regulatory confidence. In this interactive roundtable panel, leadership of standardization activities will discuss perspectives on the interrelatedness and interdependency of standards and quality to improve products and services.

Panel:
Edward Mikoski Jr., CStd, FSES, Electronic Components Industry Association
Gurvinder Chopra, Electro-Federation Canada
U.S. FDA (invited)

Questions & Answers

- 11:45 a.m.** Luncheon and SES Awards Presentation
- Amanda Benedict, AStd**, SES Awards Committee Chair

- 1:00 p.m.** Exhibits

- 1:15 p.m.** *Session 2: Integrating Climate Change Adaptation into Infrastructure Codes and Standards*

This session will bring together several members of the Standards Development Organizations for Climate Resilient Infrastructure Working Group to discuss their perspectives on how to integrate climate change adaptation into the standardization system in Canada. The panelists will share lessons learned from recent work to update existing standards and codes, develop new standards, and produce guidance materials and other tools to support technical committees to address climate change and extreme weather.

Moderator: **Marla Desat**, Standards Council of Canada

Speakers:

John Wade, ULC Standards
Ana-Maria Tomlinson, CSA Group
Lo Cheng, Canadian Centre for Climate Services, Environment and Climate Change Canada

Questions & Answers

- 2:45 p.m.** Refreshment Break and Exhibits

- 3:15 p.m.** *Session 3: Breakout Session: Case Studies*

Conference participants will choose to attend either of the following:

Manufacturing Process Standards Improvement at Boeing - **Alton Sanders Sr.**, Boeing Research and Technology

The Boeing Company is in the fourth year of a program to improve the quality of commercial aircraft manufacturing process standards. The company developed text analytics machine learning technology tools based on the requirements of the Simplified Technical English Standard, ASD-STE100, to create better standards. This case study explains the purpose and scope of the standards improvement program, the features and technology used to measure and rank the quality of process standards, and how engineers and technical writers use technology to support better writing and continuous improvement.

Building a Better Boot and a Framework for Successful Standards Development - **Cassandra Robinson**, Standards Coordination Office, National Institute of Standards and Technology (NIST)

NIST is working with the U.S. Army to improve purchase descriptions for soldier equipment by enhancing existing or developing new test methods and transitioning from material/design requirements to performance requirements. The first equipment addressed was Jungle Combat Boots. NIST and the Army collaborated with private-sector stakeholders to develop a plan to identify/prioritize work needed and to develop a repeatable framework for improving other Army purchase descriptions. This presentation will describe the framework and its application to any project.

- 4:15 p.m.** *Session 4: Artificial Intelligence for Standards Development*

We all appreciate how much hard work goes into creating standards. We hear groups are being asked to make standards faster and possibly shorter. What if artificial intelligence could be used to make standards development more efficient? Can new insights be gained from understanding how end users interact with standards? Are there opportunities to shorten low use areas? Do we know what areas are the most valuable? Do you know what terms users search to find your standards? In this session, we explore how technology could help innovate standards development.

Speaker: **Alison Kessler**, IHS Markit

- 5:00 p.m.** Day One program ends