

Inaugural Fire Engineering Symposium

In collaboration with



Professional Engineers
Ontario

York Chapter

29

JUNE

1:00 PM TO 4:00 PM EST

VIRTUAL EVENT

Inaugural Fire Engineering Symposium

IFE Canada & PEO Members: **\$45.00**

Non Members: **\$90.00**

Qualifies for **3.0 Hours of CPD Credits**

Registration Details at: www.ife.ca

Who Should Attend?

- Engineers & Architects
- Fire Protection Professionals
- Building Officials
- Fire Chiefs / AHJ
- Fire Prevention Officers
- Chief Training Officers
- Firefighters
- Risk Management
- Insurance Professionals



RYAN DUGGAN

Director Safety & Compliance
Corporate Real Estate Management
City of Toronto

THE GOOD, THE BAD & THE UGLY OF REMOTE MONITORING IN CITY BUILDINGS

3.2.4.8 of the Ontario Building Code identifies requirements where remote monitoring is required. Remote monitoring provides protection and assurance that a call will always be made to the fire department when the alarm is activated. Unfortunately, there are a number of barriers associated with remote monitoring that impact the idea of monitoring all buildings by default. This session will identify a number of the barriers and discuss the City of Toronto's monitoring plan and how we are addressing the monitoring barriers.



AARON LEE, CET, GIFIREE

Chair, CAN/ULC-S1001
Past President, SFPE NCR Chapter
Sr. Specialist, Westinghouse Electric

Clarifications on the Common Misinterpretations of CAN/ULC-S1001

CAN/ULC-S1001, Standard for Integrated Systems Testing of Fire Protection and Life Safety Systems, is a relatively new standard referenced in Canadian Building and Fire Codes. Clarifications will be provided for specific requirements that have been historically misinterpreted. The presentation will also provide a discussion on these requirements relative to their intent as they were written by the standard's working group since the standards first publication date in 2011.



ALFRED (FRED) LEBER, CET, FSFPE

Chair, ISO-TC21
Director, CFAA
CEO, AML Encore Corp
Founder, LRI Engineering Inc.

DESIGN CHALLENGES IN RETROFIT OF COMPLEX BUILDINGS

This presentation provides an overview of the inter-relationships among Codes and standards in Canada. It employs a description of large complexes in Toronto to illustrate retrofit issues arising from the need to retrofit fire protection systems. The discussion includes issues arising from codes and standards as well as owners, operators, and designers. A suggested design process is described to mitigate these issues.



MELINDA AMADOR, P.ENG., M.A.SC.

Chair, NFPA 420
Past President, SFPE Southern Ontario
Project Engineer, CodeNext Inc.

APPLICATION OF THE ONTARIO FIRE CODE – DESIGN OF CANNABIS EXTRACTION SPACES

Consumer cannabis products are manufactured using hazardous solvent extraction technology. We need to understand the design restrictions and options available under the Ontario Fire Code (OFC). It is important to consider how the scale of production, process flow, equipment, extraction solvent, and existing or new building infrastructure are regulated under the OFC. This presentation outlines design pathways in the OFC that address hazardous extraction activities, depending on the types of solvents present and the scale of processing proposed. The presentation will also outline a case study to illustrate the different compliance approaches introduced.