



CANADIAN FIRE SAFETY ASSOCIATION ASSOCIATION CANADIENNE DE SÉCURITÉ INCENDIE

2800 14th Avenue, Suite 210, Markham, Ontario L3R 0E4
Tel: 416-492-9417 Fax: 416-491-1670 Email: cfsa@associationconcepts.ca Website: www.canadianfiresafety.com

Top-load Automated Storage and Retrieval Systems (TL-ASRS)

HOSTED BY THE CANADIAN FIRE SAFETY ASSOCIATION



WORKSHOP OUTLINE:

This workshop will focus on FM Global Property Loss Prevention Data Sheet 8-34, *Protection for Automatic Storage and Retrieval Systems*, which was updated in October 2020. The specific focus will be the section on Top-Loading Automatic Storage and Retrieval Systems (TL-ASRS) which are becoming increasingly common and has revolutionized picking, packing and shipping warehouse operations. TL-ASRS are very complicated with the use of robots and extensive stacks of bins and pose a lot of fire protection challenge. An overview of the functionality and the fire hazards and recommended automatic fire protection will be provided as well as the importance of adequate pre-incident planning with the fire department.



WORKSHOP OBJECTIVES:

- Explain what a TL-ASRS and the fire hazards.
- Provide an overview the recent fire testing done by the FM Global Research and show videos
- Explain the recommended automatic fire protection for TL-ASRS
- Explain pre-incident planning and critical elements to include to in a pre-incident plan involving a fire in the TL-ASRS grid.



ADDITIONAL INFORMATION:

Date: Thursday, October 27th, 2022
Location: CFSA Online Learning (Once registered, additional information will be provided regarding the webinar URL)
Time: 09:00 a.m. to 10:00 a.m.
Certificate: A certificate of attendance will be issued by CFSA at the end of the workshop. This workshop may qualify for continuing professional development hours for designations (i.e., OACETT, CFAA, NICET CFPS, CFEI, etc.). This workshop will account for 1 hour.
Fees: \$30.00 (taxes extra) for CFSA members
\$40.00 (taxes extra) for non-members
\$15.00 (taxes extra) for students



WHO WILL BENEFIT?

This workshop will benefit engineers, designers, consultants, and Authorities Having Jurisdiction (building and fire departments).



INSTRUCTOR'S BIOGRAPHY:



Neil M. Chaudhuri, P.Eng. is the Operations Chief Engineer for FM Global – Canada Operations and has over 15 years of experience in loss prevention and risk management. FM Global is a global commercial property insurance company that has been practicing for nearly 200 years. FM Global partners with their clients and will assess and engineer risk at client sites to help prevent and mitigate loss using state-of-the-art loss prevention engineering and research as well as providing risk transfer and insurance. Neil is a technical resource for engineers across Canada and visits insured locations in a variety of industries with complex risks with the engineers to help come up with risk improvement solutions.

Neil holds a degree in Chemical Engineering from the University of Waterloo and is a registered Professional Engineer in the provinces of Ontario, Alberta and British Columbia.

Neil is a member of American Institute of Chemical Engineers and also is a guest lecturer on process safety at Queens University for a 4th year chemical engineering course.

Register via email: cfsa@associationconcepts.ca, fax: 416.491.1670 or at www.canadianfiresafety.com

**REGISTRATION FORM: TOP-LOAD AUTOMATED STORAGE AND RETRIEVAL SYSTEMS
(TL-ASRS)
Thursday, October 27, 2022
By Reservation Only**

Company: _____
Address: _____ City: _____ Province: _____ PC: _____
Tel.: _____ Fax: _____ Email: _____
Name: _____ Name: _____

(CFSA Reserves the right to cancel the course due to insufficient attendance.)

Members: \$30.00 + 3.90 HST = \$33.90
Non-Members: \$40.00 + 5.20 HST = \$45.20
Students: \$15.00 + 1.95 HST = \$16.95

Payment Method:

PayPal (cfsa@associationconcepts.ca)
 Cheque Visa Mastercard Amex

Card No.: _____
Expiry Date: _____ CVV _____
Signature: _____

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Association**
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