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## **Richard Michels, M.A.Sc., PEng**

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### *CURRICULUM VITAE*

Richard Michels has 9 years of experience in fire safety engineering, specializing in Code consulting, fire modeling, fire hazards analysis and fire safety planning. He has conducted and managed various projects ranging from small projects such as limited Code analyses and engineering judgments for firestopping systems, to large, multi-disciplinary projects such as building condition audits. He has a wide range of experience applying and interpreting various Codes including the Ontario Building and Fire Codes, National Building and Fire Codes, other provincial Codes and referenced Standards.

Richard has been involved in Code projects for over 40 high-profile and high buildings across Canada including government and office buildings, assembly buildings, residential buildings and industrial buildings. Significant projects Richard has worked on include the West Block of Parliament of Canada, the Lester B. Pearson building, Carling Campus, the Rideau Centre expansion, the Bank of Canada building, University of Ottawa academic and residence buildings, 150 Elgin, the Sun-Life Financial Centre, fire modeling for the National Arts Centre and various other high-profile buildings, and Fire Hazard Analyses for nuclear sites, waste management facilities and a diamond mine in the Northwest Territories.

Richard has a Master of Applied Science degree in fire safety engineering from Carleton University. As part of this degree he conducted research related to the development of a heat release rate measurement system for a large experimental atrium. As a research assistant, teaching assistant and teaching assistant mentor, Richard was heavily involved in the academics of the Civil Engineering Department. Richard also has an undergraduate degree in Civil Engineering from Carleton University.

Richard is a Professional Engineer licensed in Ontario and is a Director at Large in the National Capital Chapter of the Society of Fire Protection Engineers.

### **SPECIALIZED EXPERTISE**

- Fire Science and Engineering
- Code Consulting
- Fire Modeling
- Fire Hazards Analysis
- Fire Safety Planning
- Barrier-Free Accessibility

### **PROFESSIONAL REGISTRATIONS AND AFFILIATIONS**

- Licensed Professional Engineer – Ontario
- Society of Fire Protection Engineers (SFPE)
- ASTM E05 Committee on Fire Standards



## PROFESSIONAL EXPERIENCE

- 2019 – Present      **CHM Fire Consultants Ltd.**  
Fire Safety Engineer
- 2010 – 2019        **Morrison Hershfield Ltd.**  
Code and Fire Protection Consultant
- 2007 – 2009        **Carleton University**  
Research Assistance, Teaching Assistant and Teaching Assistant Mentor

## EDUCATION

- 2009                **Master of Applied Science (M.A.Sc.) (Fire Safety Engineering)**  
Carleton University, Ottawa, Ontario
- 2007                **Bachelor of Civil Engineering (B.Eng.)**  
Carleton University, Ottawa, Ontario