



## **KHASH VORELL, M Eng, P Eng, FEC**

### *CURRICULUM VITAE*

Khash Vorell is a Professional Engineer with 20 years of experience in Building Code consulting and Fire Protection Engineering in addition to his structural background. Khash holds a master's degree in Fire Protection Engineering and a bachelor's degree in Civil Engineering from UBC. He is a member of Engineers and Geoscientists BC, Association of Professionals in Engineering and Geoscience in Alberta (APEGA), the Society of Fire Protection Engineers (SFPE) and the National Fire Protection Association (NFPA). Khash is an active member of Engineers and Geoscientists BC and is a past Chair of the Building Codes Committee, as well as a past board member of the Fire Protection Subcommittee.

Khash has extensive experience in fire sciences, material behaviour, and performance-based approaches to Building Code compliance. Khash also has a wide range of experience in a variety of new and existing projects, including residential, assembly, care, office, and industrial use facilities.

#### **SPECIALIZED EXPERTISE**

- Fire sciences and engineering
- Fire protection planning for complex projects
- Performance-based approaches
- Fire, smoke and evacuation modelling
- Fire risk assessment
- Due diligence and audit of existing structures
- Liaison/negotiations with Authorities
- Project management

#### **PROFESSIONAL EXPERIENCE**

1998 to Present	<b>GHL CONSULTANTS LTD</b> , Building Code Consultants and Fire Science Engineers <i>Principal</i>
1996 - 1998	<b>MGA Connectors Ltd</b> <i>Structural Engineer</i>
1994 - 1995	<b>University of BC; Scott Canada Inc</b> , Department of Civil Engineering <i>Research Engineer</i>

#### **EDUCATION**

2012	<b>Application of Fire Risk Assessment</b> Certificate Issued, SFPE, Portland, Oregon
2007 - 2008	<b>Certified Professional (CP) Course</b> Engineers and Geoscientists BC
2005	<b>Smoke Control I - Fundamentals &amp; Pressurization Systems</b> Certificate Issued, SFPE, San Diego, California
2005	<b>Smoke Control II - Design Fires, Atrium Smoke Control &amp; Tenability</b> Certificate Issued, SFPE, San Diego, California



2005	<b>Introduction to Structural Fire Engineering</b> Certificate Issued, SFPE, San Diego, California
2000	<b>Masters of Fire Engineering (M Eng)</b> University of British Columbia, Vancouver, British Columbia
1999	<b>Fire Investigation for the Insurance Industry</b> Justice Institute of BC, Vancouver, British Columbia
1999	<b>Smoke Management for Atria &amp; Other Large Spaces</b> Certificate Issued, SFPE, Los Angeles, California
1999	<b>BC Building Code – Part 3 Course</b> British Columbia Institute of Technology (BCIT), Vancouver, BC
1995	<b>Bachelor of Applied Science (BASc)</b> University of British Columbia, Vancouver, British Columbia

#### **PROFESSIONAL REGISTRATION**

- Registered Professional Engineer - British Columbia and Alberta

#### **MEMBERSHIPS / COMMITTEES**

- Engineers and Geoscientists BC
- Association of Professionals in Engineering and Geoscience in Alberta (APEGA)
- Society of Fire Protection Engineers (SFPE), National & BC Chapter
- National Fire Protection Association (NFPA)
- Past chair of Building Codes Committee
- Past board member of the Fire Protection Subcommittee