



K. M. GARY CHEN, M.A.Sc., P.Eng.
CURRICULUM VITAE

Gary Chen is a professional engineer registered in British Columbia and Alberta. He holds a Master's Degree in Mechanical Engineering from the University of Waterloo, specializing in fire engineering, and a Bachelor's Degree in Chemical Engineering from University of British Columbia. Gary's research focused on the design of steel structures for fire loading, which is an area of active research interest, and finds applications in structural fire protection and design. In addition, he also has extensive knowledge in fire dynamics and computer-based fire models, including computational fluid dynamics (CFD) and zone models, which are the basis for performance-based fire engineering analysis.

SPECIALIZED EXPERTISE

- Design of steel, timber and concrete structures for fire
- Heat transfer analysis
- Fire modelling (CFD + Zone)
- Fire hazard / risk analysis

PROFESSIONAL EXPERIENCE

August 2014 – Present	GHL CONSULTANTS LTD , Building Code Consultants and Fire Science Engineers Associate Principal
June 2009 – July 2014	GHL CONSULTANTS LTD , Building Code Consultants and Fire Science Engineers Professional Engineer
September 2005 – June 2009	GHL CONSULTANTS LTD , Building Code Consultants and Fire Science Engineers Engineer-in-Training
May – August 2005	University of British Columbia Research Assistant – Biodiesel Production
June 2002 – August 2003	North West Rubber Mats Ltd Chemical Engineer Co-op

EDUCATION

April, 2007 – August, 2010	Master of Applied Science (M.A.Sc), Mechanical Engineering University of Waterloo, Waterloo, Ontario
Sept, 2000 – June, 2005	Bachelor of Applied Science (B.A.Sc), Chemical Engineering University of British Columbia, Vancouver, BC

PROFESSIONAL REGISTRATION

- Registered Professional Engineer - British Columbia, Alberta

MEMBERSHIPS / COMMITTEES

- Association of Professional Engineers & Geoscientists of BC and AB (APEGBC and APEGGA)
- Society of Fire Protection Engineers (SFPE), National & BC Chapter
- National Fire Protection Association (NFPA)