

PROFILE

Mr. Scott Broad is the Vice President of Forensic Consulting in Canada with experience in forensic investigations, fire investigations, railway operations, and renewable energy. Mr. Broad is an internationally certified fire and explosion investigator and has personally investigated over 1,200 fires. In addition, he spent 21 years with Canadian National Railways as an Engineer, yardmaster, and conductor, providing sound expertise in railway operational matters. Mr. Broad holds licenses as a fire and explosion investigator, a fire investigation instructor, and a vehicle fire investigator. In addition, he is a licensed mechanic and past licensee as a locomotive engineer. Practice areas include:

- ▶ Fire Investigations
- ▶ Railway Systems
- ▶ Railway Operations
- ▶ Marine Failures
- ▶ Generator Failures
- ▶ Structural Fire Investigations
- ▶ Heavy Equipment Failures
- ▶ Diesel Truck Failures
- ▶ Power Generation/Distribution Fires
- ▶ Building Mechanical/Electrical

PROFESSIONAL BACKGROUND

March 2016 – Present: Envista Forensics – Mississauga, Ontario

Vice President of Forensic Consulting, Canada

December 2005 – March 2016: Giffin Koerth, Inc. – Toronto, Ontario

Principal, Senior Forensic Investigator

1999 – 2005: Spectrum Media Works – Toronto, Ontario

Forensic Imaging Principal

1979 – 2000: Canadian National Railways – Toronto, Ontario

Engineer

PROFESSIONAL DESIGNATIONS / CERTIFICATIONS

- ▶ The Apprenticeship and Tradesman Qualification Act – Technician, 1985
- ▶ Engineer – Canadian National Technical Training Institute, 1984
- ▶ Fire and Explosion Investigator (CFEI)
- ▶ Vehicle Fire Investigator (CVFI)
- ▶ Fire Investigation Instructor (CFII)
- ▶ Advanced Fire, Arson and Explosion Training (NAFI), Recertified 2012

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WEBSITE

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TRAINING

- ▶ The Practice Application of the Relationship Between NFPA 1033 and NFPA 921, February 2017
- ▶ NFPA 1033 and Your Career, IAAI CFITrainer, February 2017
- ▶ *Computer Fire Modeling*, University of Waterloo, May 2012
- ▶ *Advanced Fire, Arson, and Explosion Training*, (NAFI), Recertified 2012
- ▶ *Fundamentals of Motor Vehicle Fire Investigation*, SAE, March 2010
- ▶ *Residential Electricity for Fire Investigators*, May 2009
- ▶ *Interview and Interrogation Techniques*, Reid Institute, 2009
- ▶ *National Seminar on Fire Analysis Litigation*, (NAFI), Sarasota, Florida, August 2008
- ▶ *Computer Fire Modeling*, (NAFI), Sarasota, Florida, August 2008
- ▶ *Fire Chemistry/Origin and Cause Determination*, Ontario CAFI Seminar, June 2008
- ▶ *International Symposium on Fire Investigation*, Cincinnati, Ohio, June 2008
- ▶ *Propane and Natural Gas Explosions*, Ontario CAFI Seminar, November, 2007
- ▶ *Electrical Fire Investigation*, Dr. V. Babrauskas, Saskatchewan Fire Marshal, October 2007
- ▶ *Fire Pattern Certification*, Public Agency Training Council, Las Vegas Nevada, August 2007
- ▶ *Electrical Power Distribution System Fires*, Ontario CAFI Seminar, April 2007
- ▶ *Scientific Fire Analysis*, John Lentini, Regina, Saskatchewan, November 2006
- ▶ *Investigation of Motor Vehicle Fires*, IAAI CFITrainer, September 26, 2007
- ▶ *Investigation of Electrical and Appliance Related Fires*, IAAI CFITrainer, July 2006
- ▶ *International Symposium on Fire Investigation*, Cincinnati, Ohio, June 2006
- ▶ *Golden Engineering X-ray Training Seminar*, Centerville, Indiana, May 2006
- ▶ *Investigation of Gas and Electric Appliance Fires*, Fire Findings, Benton Harbour, Michigan, May 2006
- ▶ *The Scientific Method for Fire and Explosion Investigation*, IAAI CFITrainer, November 2005 – Recertified in 2017)
- ▶ *Vehicle Fire, Arson and Explosion Training*, (NAFI), Eastern Kentucky University, 2005
- ▶ *Advanced Fire, Arson and Explosion Training*, (NAFI), Toronto, Ontario, (1998 – Recertified 2003)
- ▶ *OPP Explosion Recognition and Reconstruction Training*, Aurora, Ontario, 2002
- ▶ *ATI – Transport Canada*, Private Pilot Ground School

PUBLICATIONS

- ▶ **“Solar Photovoltaic Systems – An Emerging Claims field that Adjusters Should Understand”** – Published in Claims Canada, February/March 2013 edition.
- ▶ **“Digital Demystified”** – An introduction to the technical operations of digital cameras used in forensic photography. Written for WP magazine, an Insurance Industry journal.
- ▶ **“When Lightning Strikes”** – A technical insight into the circumstances surrounding lightning strikes on sailboats at sea. Published in print for the Hunter Sailing Association and delivered worldwide on the Internet
- ▶ **One recommendation for addition or modification to NFPA 921, the Guide for Fire and Explosion Investigations was submitted by Mr. Broad to the NFPA.** It was adopted by the committee and included in the 2011 edition.

- ▶ **A second recommendations for additions or modifications to NFPA 921, the Guide for Fire and Explosion Investigations, submitted by Mr. Broad to the NFPA.** It was adopted by the committee and included in the 2014 edition.

PRESENTATIONS

- ▶ **Canadian Defense Lawyers**, Subrogation Losses, April 2014
- ▶ **CanSia**, Photovoltaic Fire Safety, December, 2013
- ▶ **ISB University**, The Subtle Side of Arson, April 2013
- ▶ **Ontario Insurance Adjusters Association**, Fire Investigation Basics, September 2013
- ▶ **Insurance Institute of Ontario**, Fire Scene Safety, February 2008
- ▶ **Ontario Insurance Adjusters Association**, Fire Scene Safety, February 2008
- ▶ **Ontario Insurance Adjusters Association**, Digital Photography, February 2007
- ▶ **International Association of Insurance Adjusters**, Underwater Fraud Determination
- ▶ **Numerous CFEI training seminars**, NFPA 921 section 15.2 Forensic Imaging

EXPERT WITNESS

- ▶ Qualified as an expert witness in Fire Investigation in the Ontario Rental Housing Tribunal (ORHT)

PROFESSIONAL ASSOCIATIONS

- ▶ Canadian Association of Fire Investigators (CAFI), Past President
- ▶ International Association of Marine Investigators (IAMI)
- ▶ Certified Fire and Explosion Investigator (CFEI)
- ▶ Certified Vehicle Fire Investigator (CVFI)
- ▶ Certified Fire Investigation Instructor (CFII)
- ▶ Canadian Certified Fire Investigator (CCFI-C)
- ▶ Technical Services Standards Association (TSSA), Advisory Board Member-Risk Reduction
- ▶ Society of Automotive Engineers (SAE), Fire Safety Review Committee
- ▶ Society of Automotive Engineers (SAE), NFPA 921 Advisory Committee
- ▶ Certified Underwater Criminal Investigator (PDIC)
- ▶ Canadian Association of Fire Investigators (CAFI)
- ▶ National Association of Fire Investigators (NAFI)
- ▶ National Fire Protection Association (NFPA)
- ▶ International Association of Arson Investigators (IAAI)
- ▶ Society of Automotive Engineers (SAE)
- ▶ Society of Motion Picture and Television Engineers (SMPTE)