

Collision
Reconstruction

Personal Injury

Electrical

Mechanical

Metallurgical

Civil & Structural

Fire & Explosion

Structural
Reconstruction

9033 Leslie Street,
Units 18/19
Richmond Hill ON
L4B 4K3

416.491.2525
888.272.6671

Steven Probst, B.Sc., P.Eng., C.F.E.I

416-491-2525 (Ext. 1016)

steven.probst@arconforensics.com

EXECUTIVE SUMMARY

Steve has almost 30 years experience as a consulting & forensic Engineer. His consulting engineering experience covers power systems design, consulting and commissioning, as well as maintenance of low voltage and high voltage electrical switchgear and substations.

In his capacity as a Forensic Engineer, Steve specializes in electrical failures and fire loss events. He has performed forensic analysis and investigations involving hundreds of losses in residential, commercial and industrial settings. He routinely provides opinions on injuries & product liability related to his investigative work and is often asked to comment on loss prevention, insurance policy disputes and loss mitigation.

Fire investigations performed by Steve have included suspected arson cases, electrical wiring failures, and appliance failures. He has been qualified multiple times in the Ontario Superior Court of Justice as an expert witness on the origin, cause and circumstances of fires and regarding electrical failures.

Steve's clients include major insurance companies, law firms, OEM's, government institutions and industrial corporations in Canada, the United States, Europe, the Caribbean and South America.

AREAS OF SPECIALIZED EXPERTISE

- *Power system and power generation equipment failure investigations (wind, solar, hydro-electric)*
- *Failures relating to bus ducts, transformers, buried cables, lighting fixtures & sump pumps*
- *Commercial chilling & heating equipment (heaters, chillers, fans, furnaces)*
- *Industrial plant & equipment electrical breakdowns*
- *Fires & explosions involving structures and electrical equipment*
- *Electrical equipment repair cost audits*

EDUCATION

- B.Sc., Engineering Physics (Electrical Option) (1990) Queen's University

QUALIFICATIONS & CERTIFICATIONS

- *Professional Engineer (P.Eng.)*
- *Certified Fire & Explosion Investigator (C.F.E.I.)*

PROFESSIONAL ASSOCIATIONS

- *Professional Engineers of Ontario*
- *Ontario Society of Professional Engineers*
- *Association of Professional Engineers & Geoscientists of the Province of Manitoba*
- *Canadian Association of Fire Investigators*

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PROFESSIONAL DEVELOPMENT

- *Pros and Cons of Zero Sequence Harmonic Trap Applications in 120/208V Distribution Systems*, Canadian Electricity Forum
- *Fire Investigation Seminar*, Canadian Fire Alarm Association
- *Building and Structure Fire Losses*, General Accident Group Seminar
- *Canadian National Advance Fire, Arson and Explosion Training Program*
- *Electrical Power Distribution System Fires*, Canadian Association of Fire Investigators
- *Investigation of Appliance and Small Equipment Failures*, Canadian Association of Fire Investigators
- *Investigating Propane and Natural Gas Explosions*, Canadian Association of Fire Investigators

NOTABLE PUBLICATIONS & PRESENTATIONS

- *“Electric Arc Exposure and Liability: The Contribution of Clothing”*, American Academy of Forensic Sciences,
- Lombard Insurance Seminar, *“The Role of a Forensic Engineer”*, Delta Chelsea Inn, Toronto
- *“Engineering Methods and Tools in Litigating Personal Injury”*, The Canadian Institute – Litigating Personal Injury Damages Conference
- *“Common Failure Mechanisms Involving Buried Cables and Transformers”*, Presentation to FM Global
- *“Lighting Failures”*, Canadian Association of Fire Investigators

PROFESSIONAL EXPERIENCE

Senior Forensic Engineer, Arcon Forensic Engineers
(2007 – Present)

Engineering Manager, MacViro Investigative Engineering Inc.
(2002 – 2007)

Project Manager, Brosz & Associates
(1990 – 2002)

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