



roarengineering.com



## Vincent R. Rochon, P.Eng.

Consulting Engineer, Co-CEO

### Contact

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## Education

### QUEEN'S UNIVERSITY, KINGSTON, ON

Faculty of Applied Science  
Bachelor of Science, Electrical Engineering

## Experience

### ROAR ENGINEERING Co-CEO, Electrical and Fire Protection Engineer

2015 - PRESENT

Fire, explosion, and failure (electrical, mechanical, gas, and chemical) investigations (over 2300 completed).

Peer review of 90 percent of fire and failure investigations completed by the firm.

Responsible for reviewing new building designs for compliance with all applicable Fire and Life Safety Codes and Standards.

Responsible for inspecting existing buildings and developing deficiency lists based on applicable Fire and Life Safety Codes and Standards.

Responsible for electrical systems, fire protection, and life safety design of commercial, industrial, and institutional buildings (including fire alarm and security, fire protection, sprinkler, and fixed extinguishing systems).

Responsible for inspecting stairs, ramps, walking surfaces for compliance with applicable codes and standards including the Ontario Building Code.

Mentor and coach for engineers and managing engineers in the organization, focusing on technical training and business operations and administration.

Responsible for strategic planning initiatives including national expansion through organic and acquisition means, quality program, succession planning and human resources, IT initiatives and risk reduction, and sales and marketing.

Expert Witness testimony for formal judicial and quasi-judicial proceedings as well as informal pre-hearings.

**FORE BEARS FORENSIC SCIENCE INC.**  
**Electrical and Fire Protection Engineer**

**2012 - 2015**

Instructor, mentor and coach with a primary focus on technical training and business operations.

Forensic, Fire Protection and Electrical Engineering consulting, primarily focused on scientific investigations where a large loss, explosion or death has occurred.

Expert Witness testimony for formal judicial and quasi-judicial proceedings as well as informal pre-hearings.

**ROCHON ENGINEERING INC.**  
**Co-CEO, Electrical and Fire Protection Engineer**

**1996 - 2012**

Fire, explosion, and failure (electrical, mechanical, and chemical) investigations (over 1900 completed). Peer review of 90 percent of fire scene and failure investigations completed by Rochon Engineering.

Responsible for reviewing new building designs for compliance with all applicable Fire and Life Safety Codes and Standards.

Responsible for inspecting existing buildings and developing deficiency lists based on applicable Fire and Life Safety Codes and Standards.

Responsible for electrical systems, fire protection, and life safety design of commercial, industrial, and institutional buildings (including fire alarm & security, fire protection, sprinkler, and fixed extinguishing systems).

Responsible for inspecting stairs, ramps, walking surfaces for compliance with applicable codes and standards including the Ontario Building Code.

Mentor and coach for engineers and managing engineers in the organization, focusing on technical training and business operations and administration.

Responsible for strategic planning initiatives including national expansion through organic and acquisition means, quality program, succession planning and human resources, IT initiatives and risk reduction, and sales and marketing.

Expert Witness testimony for formal judicial and quasi-judicial proceedings as well as informal pre-hearings.



**BATTAGLIA DEBERARDIS ROCHON  
AND ASSOCIATES INC.**

**1990 - 1996**

**Electrical & Fire Protection Engineer and Principal**

Completed over 700 fire, explosion, and failure (electrical, mechanical, gas, and chemical) investigations. Peer review of 90 percent of fire scene and failure investigations completed by firm.

Responsible for reviewing new building designs for compliance with all applicable Fire and Life Safety Codes and Standards.

Responsible for inspecting existing buildings and developing deficiency lists based on applicable Fire and Life Safety Codes and Standards.

Responsible for electrical systems and fire protection design of commercial, industrial and institutional buildings (including fire alarm, fire protection, and security systems).

Expert Witness testimony for formal judicial and quasi-judicial proceedings as well as informal pre-hearings.

**FIRE INVESTIGATION RESEARCH  
AND ENGINEERING SERVICES**

**1989 - 1990**

**Forensic Engineer/Adjuster**

Completed over 60 failure, fire, and explosion investigations.

Responsible for adjusting property and liability claims.

Expert Witness testimony for formal judicial and quasi-judicial proceedings as well as informal pre-hearings.

**LABOUR CANADA DOMINION  
FIRE COMMISSIONERS OFFICE**

**1989**

**Fire Protection Engineer**

Responsible for approving architectural plans for new and renovated Government of Canada buildings regulated by National and Provincial Building Codes and Standards.

Inspected Government of Canada buildings for compliance with applicable Codes and Standards.

**MINISTRY OF THE SOLICITOR GENERAL  
OFFICE OF THE ONTARIO FIRE MARSHAL  
Electrical & Fire Protection Engineer**

**1986 - 1989**

Completed over 100 fire scene investigations and over 30 equipment examinations dealing with electrical failures.

Responsible for reviewing, interpreting and amending legislation (Building & Fire Codes).

Researched/reviewed Environmental Assessments and ULC/CSA/CAN Standards.



Supervised the Lightning Rod Program (based on the Lightning Rod Act).

Inspected/reported on Fire Marshal's Order Appeals.

Expert Witness testimony for formal judicial proceedings.

## **KIDD CREEK MINES LTD.**

**1985**

### **Electrical Maintenance Engineer**

Designed a system and programmed a Gould Modicon Micro 84 programmable logic- controller to control the cycles of a bag-house.

Analyzed and modified several solid-state DC drives, replacing thermal overload relay- switch solid state overload protection.

Replaced a casting machine's feed end limits with a shaft encoder and two electronic- counters.

Reviewed and prepared equipment inspection procedures for electrical maintenance personnel.

Responsible for incorporating an electrical preventative maintenance checklist for motor control centers.

## **ONTARIO HYDRO**

**1985 – 1984**

### **Electrical Maintenance Engineer**

Constructed three phase line diagrams of small generating stations. Assisted in the dismantling and assembly of hydraulic turbine units.

## **Education**

### **INSTRUCTOR**

**1998 – PRESENT**

**“Vehicle Claims: Theft, Fraud and Fire”** seminars/webinars, 2020

NFPA 921, **“Fire & Explosion Investigation”** course which prepares qualified participants to write the examination for Certified Fire and Explosion Investigator (CFEI) designation, and the Certified Canadian Fire Investigator (CCFI) designation.

Fire loss Claims Handling – Fire Investigation by Certified Experts, 2012

**“Insurance Subrogation”** seminars and laboratory demonstrations, 2008 – 2012

Canadian Defence Lawyers – **“Boot Camp Toronto”** presentation, **“Engineering Expert Evidence,”** 2008

**“Electrical Power Distribution System Fires,”** CAFI course, 2007

**“Slips & Falls – Code Requirements”** seminar, The Hamilton Law Association, 2004



**“Arson Investigations “The Importance of Fire Scene Documentation,”**  
CAFI course, 2003

Vehicle Fire Investigation seminar, CAFI, 2002

**“Marine Fire Investigation”** course, CAFI, 2001.

**“Marine Losses”** seminar, Fernandes Hearn, 2001.

**“Live Burns”** course, CAFI, 2000.

**“Electrical Equipment/Post Fire Analysis”** course, CAFI/IAAI/Seneca College,  
1999.

**“Fire Investigation Techniques”** course, 1996.

## **COURSES COMPLETED**

**SPX Transformer Solutions, 2018**  
Transformer Concepts and  
Applications

**L.I.F.T. Training, 2018**  
Fall Protection for Working Heights

**International Association of Arson  
Investigators, 2018** “Surviving a NFPA 1033  
Challenge”

**National Association of Fire Investigators (NAFI),  
2007** Certified Vehicle Fire Investigator course

**National Association of Fire Investigators (NAFI), 2007**  
Vehicle Fire, Arson & Explosion Investigation Science & Technology Seminar

**Building Code Identification Number (BCIN) 28758** – Exams, 2006-  
2007 Designer Legal, Fire Protection, Detection, Lighting and Power

**University of Toronto, EPIC, 2005**  
Transformer Operational Principles, Selection and Troubleshooting

**National Association of Fire Investigators (NAFI),  
2004** Certified Fire Investigator Instructor Course

**Society of Fire Protection Engineers, 1999**  
Advanced Computer Fire Modelling

**Society of Fire Protection Engineers, 1997**  
Fastlite and FPE tool - Computer Fire  
Modelling

**Society of Fire Protection Engineers,  
1996** FPE tool - Computer Fire Modelling

**University of Toronto, 1995**  
Programmable Logic Controllers



**University of Toronto, 1994**  
Commissioning, Testing and Start-Up of Electrical Systems

**University of Toronto, 1994**  
Power System Protection

**University of Toronto, 1993 Electrical Safety Code**  
**Canadian Association of Fire Investigators, 1992 Fire and Arson Investigation**

**Insurance Institute of Canada, 1989 - 1990**  
Principles and Practices of Insurance: Claims 1, Property 1, Automobile, Claims 2, Insurance Against Liability, Property 2

**Institute for Research and Construction, 1987**  
Designing for Fire Safety, Investigators Conference Ontario Fire College, 1987 Investigators Conference

**Canadian Association of Fire Investigators, 1987 Motor Vehicle Fire Investigation**

**Ontario Fire College, 1987**  
Fire Investigation Level 3, Fire Investigation Level 2, Fire Investigation Level 1

**Insurance Advisory Organization (IAO), 1987 Sprinkler Systems and Water Supplies**

**University of Toronto, 1987 Fire Hazards and Their Control**

**Insurance Advisory Organization (IAO), 1986**  
Building Construction, Fire Protection and Basic Hazards

## Professional Memberships

**Professional Engineers of Ontario (PEO)**

**Society of Fire Protection Engineers (SFPE)**

**Building Code Identification Number (BCIN) - Designer (28758) Fire Protection, Detection, Lighting and Power**

**Canadian Association of Fire Investigators (CAFI)**

**The Institute of Electrical & Electronics Engineers (IEEE)**

**Canadian Electrical Code (CEC), Section 32, "Fire Alarm Systems and Fire Pumps" and Section 46, "Engineering Systems, Unit Equipment and Exit Signs" Subcommittee Member.**

**Canadian Standards Association Steering Committee on Fire Safety and Fuel Burning Equipment.**

**Canadian Standards Association Committee for Standard Number B365-M91, "Installation Code for Solid Fuel Burning Appliances".**

**National Fire Protection Association (NFPA)**

**Certified Fire and Explosion Investigator (CFEI)**



**Certified Fire Investigation Instructor (CFII)**

**Certified Vehicle Fire Investigator (CVFI)**

## Publications

Rochon, V.R. 1991, **“A Pocket Guide to Fire Investigations”**

Rochon, V.R. 1994, **“Woodburning Appliances and the Insurance Industry”**

Rochon, V.R. 1996, **“Motor Vehicle Accident Fraud”**

Rochon, V.R. 1996, **“The Incandescent Light Bulb and Its Fire Hazards”**

Rochon, V.R. 1997, **“Computer Fire Modelling”**

Rochon, V.R. 1998, **“Arc Patterns Tell the True Story”**

Rochon, V.R. 2001, **“Technical Investigations of Marine Fire and Explosions”**

Rochon, V.R. 2002, **“Criminal Investigations”**

Rochon, V.R. 2007, **“Post-Collision Vehicle Fire Incident”**

Rochon, V.R. 2008, **“Qualifications for Fire and Explosion Investigators”**

Rochon, V. R., Dr. Arthur Ameis and Samuel Howarth, PhD 2010,  
**“Accident Reconstruction, Documenting and Analyzing Injuries Sustained in a Collision”**

## Volunteer Work

**BRADFORD WEST GWILLIMBURY FIRE  
DEPARTMENT, FIRE PREVENTION OFFICER**

**1993-1999**

Responsible for reviewing plans and specifications for new and renovated buildings in the municipality.

Responsible for training Fire Department personnel on techniques of fire investigation. Responsible for conducting cause and origin investigations.

## Court Experience

Qualified as an expert witness in provincial court up to the Supreme Court of Ontario.

