

Curriculum Vitae

Andrey Rudenko, B.Sc., P.Eng., CFEI, CVFI

Advantage Forensics® Inc. (416) 630-0700

2770 Dufferin St., Suite 115, Toronto, ON, M6B 3R7 arudenko@aforensics.ca



PRACTICE AREAS

- **Fire & Explosion Origin & Cause**
- **Manufacturing Equipment Failure Analysis**
- **Product Failure Analysis**
- **Power Generation Systems**
- **Vehicle Fire Investigation**
- **Appliance Fires**
- **Electrical Control Systems**
- **Diesel Generators**
- **Power Transmission/Distribution Equipment Failure**
- **HVAC**
- **Automatic Transfer Switches**

ACADEMIC BACKGROUND

Bachelor of Science, Electrical Engineering, University of Massachusetts, 1998

Associate of Science, Electrical Engineering, Holyoke Community College, Massachusetts, 1996

Air Conditioning and Refrigeration Technology, Springfield Technical College, Massachusetts, 1994

PROFESSIONAL CERTIFICATIONS

Licensed Professional Engineer, Professional Engineers of Ontario

Licensed Professional Engineer, Professional Engineers and Geoscientists of Manitoba

Certified Fire & Explosion Investigator (CFEI), National Association of Fire Investigators

Certified Vehicle Fire Investigator (CVFI), National Association of Fire Investigators

EPA Certified – ID #9420994383

PROFESSIONAL ASSOCIATIONS

Canadian Association of Fire Investigators

National Association of Fire Investigators



EMPLOYMENT HISTORY

AVR Forensics, Mississauga, Ontario

President, Oct. 2019 to Present

Fire Investigation, Electrical Failure, Industrial Systems Failure

Advantage Forensics Inc., Toronto, Ontario

Senior Fire Investigator Consultant, Feb 2020 to Present

Fire Investigation, Electrical Failure, Industrial Systems Failure

Rocmar Forensics Inc., Etobicoke, Ontario

Engineering Director, Aug 2018 to July 2019

Fire Investigation, Electrical Failure, Industrial Systems Failure

Envista Forensics, Mississauga, Ontario

Senior Project Engineer, Mar 2012 to Aug 2018

Fire Investigation, Electrical Failure, Industrial Systems Failure

Rochon Engineering, Bolton, Ontario

Electrical Forensic Engineer, June 2009 to Mar 2012

Fire Investigation, Electrical Failure

Self Employed Consultant, West Springfield, Massachusetts

Consulting Engineer, Jan 2003 to June 2009

Electrical Design Consulting, Electrical Power Distribution Troubleshooting

Einhorn Yaffee Prescott Architecture & Engineering, Middletown, New York

Electrical Test/Consulting Engineer Associate, Sept 1999 to Jan 2003

Mission Critical Facilities Group Testing & Inspection

Piller, Inc., Middletown, New York

Project Engineer, Aug 1998 to Sept 1999

Electrical Engineering Design & Analysis, Control Design

Aegis Energy Services, West Springfield, Massachusetts

Project Manager, Dec 1996 to Jan 1998

Cogeneration Technician, July 1993 to Dec 1996

Energy System Installation, Management, Maintenance & Repair

COURSES, TRAINING & AWARDS

- Respirator Fit Test Training
- WAH Safety Training
- Installation of Motors and Transformers Training, NFPA
- NFPA 921 Training, Fire Investigation, Aug 2009
- NFPA 921 Training, Vehicle Fire Investigation, Sept 2011
- Installation of Motors and Transformers Training
- Grounded Systems Training
- Installing Services Training
- Remote Control and Signaling Circuits Training
- Installing Motors and Transformers Training
- “Liability Issues in Oil & Gas Claims”
- “Determining Liability in Electrical Generation, Distribution & Transmission Failures”
- “Renewable Energy Equipment Losses: Challenges and Considerations All Adjusters Should Know”
- “Don’t Get Blown Away: Equipment Failures Related to Wind Energy”
- “CSST Fire Investigation Claims: What you need to know”
- “Arson Awareness”
- “Ventilation-Focus Approach to Impact of Building Structures on Fire Development”
- “Engineering Design & Product Liability Failure Investigations”

PAPERS & PUBLICATIONS

- “Overloads, Over Currents and Arcing Across a Carbonized Path”, Canadian Association of Fire Investigators Journal, 2012, Vol. 1