

Chris K. Panasiewicz

M.Sc., P.Eng.



120 Watline Avenue
Unit 8
Mississauga Ontario
L4Z 2C1

EDUCATION

University of Lodz, Poland
M.Sc., B.Sc., Electrical Engineering
Design and Construction of Electrical Machines and Equipment

University of Toronto, Toronto, ON
Electrical Power Systems
Power Semiconductors

Centennial College, Toronto, ON
Aircraft Maintenance & Regulations

AFFILIATIONS

Association of Professional Engineers, Ontario (PEO)
Canadian Association of Fire Investigators
National Association of Fire Investigators
Institute of Electrical and Electronics Engineers (IEEE)

PROFESSIONAL EXPERIENCE

Investigated over 1000 forensic incidents
Qualified as an expert witness in Ontario Superior Court of Justice

September 2014 to Present

Forensic Engineer, ***Origin and Cause Incorporated***
Mississauga, ON

- Fire investigations of industrial and apartment buildings, residential houses, house appliances, electrical installations and switchgear, trucks and passenger vehicles
- Examination of the fire-damaged electrical equipment and components
- Failure mode investigations of electrical equipment, including those in:
 - High voltage, transformers and equipment
 - Generators and motors
 - Low voltage bus duct risers and underground cables
 - Industrial manufacturing equipment
 - Control systems and electronic devices
 - Passenger vehicles and trucks
- Preparation of the investigation reports for the Insurance and Legal Industry Clients
- Continuous participation in the industry lectures, conferences and seminars (CAFI, NAFI, ISFI, IAAI)

July 2004-August 2014

Electrical Engineer, ***Arcon Engineering Consultants Limited***
Toronto, Ontario

- Fire investigations of industrial and apartment buildings, residential houses, house appliances, electrical installations and switchgear, trucks and passenger vehicles
- Examination of the fire-damaged electrical equipment and components

Chris K. Panasiewicz

M.Sc., P.Eng.

120 Watline Avenue
Unit 8
Mississauga Ontario
L4Z 2C1

- Failure mode investigations of electrical equipment
- Preparation of the investigation reports for the Insurance and Legal Industry Clients

August 2000-August 2013

Chief Engineer, **CPAN Solutions Inc.**

Toronto, ON

- High voltage (HV) SF6 transformer repairs for government agencies
- Failure Investigations of the (HV) SF6 electrical systems/equipment/transformers
- Development of the insulating material specifications, including HV transformer coils casting resins
- Development of the production instructions for the repair of the SF6 HV transformers
- Preparation of test plans, including HV Dielectric and Partial Discharge testing based on CSA, IEEE and IEC standards
- Cooperating with HV laboratories and scientists in the field of HV Engineering

July 1994-September 2002

Chief Engineer, **Spar Aerospace Limited/Godfrey Aerospace**

Mississauga, ON

- Developed expertise in the failure mode analysis of complex mechanical and electrical systems used in the fixed wing aircraft, helicopters and ground support equipment
- Boeing 747 aircraft fire investigation
- CH-113 Labrador helicopter generator failure and crash investigation
- Ground support generation equipment failure investigations
- Technical authority for Bombardier RJ200 aircraft water tanks

August 1988-July 1994

Equipment Engineer, **Ontario Hydro**

Toronto, ON

- Developed expertise in the design of HV Transmission and Distribution Transformers and Transmission and Distribution Stations Equipment
- Prepared new technical specifications and standards for the distribution station power transformers and voltage regulators
- Developed technical specifications and design requirements for HV Mobile Unit Substations

September 1985-August 1988

Design Engineer & Technologist, **Allanson Div. of Jannock Ltd. & Sola Canada**

Toronto, Ontario

- Designed, tested and qualified fluorescent and high Intensity Discharge (HID) ballasts

September 1980-July 1985

Manager, ***Power Station, Lodz, Poland***

- Electrical Motors and Equipment Repair Department

PUBLICATIONS

- Electric Vehicles and The Unique Risks Insurers Need to Consider, December 2015

PRESENTATIONS

- Webinar: Ask An Expert: Open-Mic Discussions With Leading Forensic Engineers, November 2015