

Mazen J. Habash

P.Eng., CFEI, CCFI-C



120 Watline Avenue, Unit 8
Mississauga, Ontario
L4Z 2C1

EDUCATION

Degree in Bachelor of Engineering (1986), McMaster University, Hamilton, Ontario
Department of Electrical and Computer Engineering

FURTHER TRAINING

- CAFI – “Solving the Unsolvable”, Greater Toronto Airports Authority FESTI, Toronto, Ontario, May 28—29, 2019
- IAAI – NFPA 921 Fire and Explosion Investigator Course, Grimsby, Ontario, May 6—9, 2019
- Fire Investigative Approaches, NC/SC IAAI, Fall 2017
- IAAI – Advanced Arson Investigation Techniques, Ontario, Fall 2015
- International Symposium on Fire Investigation Science & Technology, 2014, 2012, 2008, 2006
- IAAI – Fire Loss & Fire Code Litigation, Niagara Falls, Ontario, Spring 2014
- NFPA 921 IAAI Ontario – Georgian College, Barrie, 2013
- IAAI – Electrical Fire Investigation Seminar – University of Waterloo, Spring 2012
- CAFI – Fire Investigation Educational Symposium, Fall 2011
- Fire Findings – Investigation of Gas and Electric Appliance Fires, 2011
- N.F.P.A 921 IAAI Ontario – Brock University, St. Catharines, 2011
- CAFI – Investigation of Appliances and Small Equipment Failures, 2010
- IAAI – The Evolution of Fire Scene Evidence, Hamilton, 2010
- Fire Findings Residential Electricity for Fire Investigators, 2010
- N.F.P.A 921 IAAI Ontario – Royal Military College, Kingston, 2009—2007
- N.F.P.A. 921 – Fire and Explosion Course Trenton, 2005, 2004, 2002
- International Association of Arson Investigators
- Evolving Issues for Investigation of Indoor Drug operations Fire Findings
- Investigation of Gas and Electric Appliance Fires Joint International Association of Arson Investigators and Canadian Association of Fire Investigators
- Electrical Equipment / Post Fire Analysis
- Canadian Alarm and Security Association Technician Training Level Two
- International Association of Arson Investigators Fire Investigation / Arson Task Force Seminar
- EPIC – Ontario Electrical Safety Code

PROFESSIONAL AFFILIATIONS

- Association of Professional Engineers of Ontario Professional Engineer since 1988, Consulting Engineer since 1994
- The Association of Professional Engineers, Geologists, and Geophysicists of Alberta, Professional Engineer since 2010
- Association of Professional Engineers and Geoscientists of Manitoba, Professional Engineer since 2010
- Association of Professional Engineers and Geoscientists of Saskatchewan, Professional Engineer since 2010
- Association of Professional Engineers of Nova Scotia, Professional Engineer since 2014
- Association of Professional Engineers and Geoscientists of New Brunswick, Professional Engineer since 2014
- Canadian Society for Electrical and Computer Engineering
- International Association of Arson Investigators
- Past President – International Association of Arson Investigators (Ontario Chapter)
- Canadian Association of Fire Investigators

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- National Association of Fire Investigators
- Canadian Society of Forensic Sciences (Engineering Section)
- International Association of Electrical Inspectors
- Canadian Alarm and Security Association

CERTIFICATION

National Association of Fire Investigators, *Certified Fire and Explosion Investigator*
The Canadian Alarm and Security Association, *Certified Level One Technician (1995)*
The Canadian Alarm and Security Association, *Certified Level Two Technician (1999)*

PROFESSIONAL EXPERIENCE

July 1991 to Present

President, ***Origin and Cause Incorporated***

- Investigation of structural and electrical equipment fires
- Investigation of electrical and electronic appliance and equipment malfunctions
- Investigation of alarm and control systems
- Investigation of computer and electronic losses

1986 to June 1991

Associate, ***Forensic Engineering Incorporated***

Burlington, Ontario

- Co-ordinator of in-house computer network
- Involved in investigation of computer and electronic losses
- Involved in fire investigations related to electrical and electronic appliance malfunctions

PRESENTATIONS

- Delegate at the International Symposium on Fire Investigation Science and Technology, Itasca, Illinois, September 24—26, 2018
- Lectured on Alarm System Investigations, IAAI Ontario, Niagara Falls, Ontario, 2015
- Lectured on Spoliation of Evidence and Electrical Fires, Georgian College, 2013
- Lectured on Electrical Fires, N.F.P.A. 920 IAAI, Brock University, Ontario, 2011
- Ontario Chief Fire Prevention Officers' Symposium, Niagara, Ontario, 2011
- Lectured on Electrical Fires Ontario Chief Fire Prevention Officers' Seminar, Ontario Fire College, 2011
- Lectured on Fridge Fires CAFI Seminar, Fall 2010
- Lectured on Product Liability, 2009, 2010
- Lectured on many occasions on Electrical Failures and Malfunctions
- Lectured N.F.P.A 921 IAAI Ontario, Royal Military College, Kingston, 2009-2007
- Lectured on many occasions on Appliances Fires
- Lectured N.F.P.A. 921 Fire and Explosion Course, 2005, 2003—2002 Trenton
- Lectured to the Insurance Industry on Computer & Electronic Hardware Damage
- Trained Insurance, Police and Fire Department Personnel on Fire Investigations
- Lectured to the Insurance Industry on Alarm systems
- Lectured at the 48th Annual Seminar of the International Association of Arson Investigators

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- Lectured at IAAI and CAFI Seminars on Fire Investigations

PUBLICATIONS

- Authored an article for "Without Prejudice" and "The Canadian Independent Adjuster" entitled Computer & Electronic Hardware Damage
- Authored an article for "Without Prejudice" entitled Alarm Systems Used As An Investigative Tool
- Authored an article for "Forensic Insight" entitled Electrical fire prevention—commercial and industrial installations

COURT EXPERIENCE

Investigated over 3300 Forensic Incidents

Qualified as an expert witness 35 times in both civil and criminal courts in four provinces