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# Mazen J. Habash

P.Eng., Consulting Engineer

President & Consulting Engineer

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## OFFICE

Burlington

## EMAIL

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## CONTACT

1 (888) 624-3473, 224  
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Mazen is the president of OCI Group and specializes in fire investigation, electrical and electronic failures, product liability and alarm system analysis. With over 40 years of experience in the industry, he has performed over 3,400 fire, product liability and alarm system investigations. Mazen is a licensed professional engineer and designated consulting engineer, and has qualified as an expert witness in both civil and criminal courts in four Canadian provinces and in the Commonwealth of Massachusetts, USA. He is also certified at two levels by the Canadian Alarm and Security Association as an alarm technician.

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## EDUCATION

### McMaster University

Bachelor of Engineering in Electrical and Computer Engineering

Hamilton, Ontario, Canada

1986

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## PROFESSIONAL REGISTRATION/LICENSING

- Association of Professional Engineers of Ontario Professional Engineer since 1988
- Consulting Engineer since 1994

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## CERTIFICATIONS

- Certified Fire and Explosion Investigator (CFEI)
- The Canadian Alarm and Security Association, Certified Level One Technician (1995)
- The Canadian Alarm and Security Association, Certified Level Two Technician (1999)

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## TECHNICAL AFFILIATIONS

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

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## PROFESSIONAL EXPERIENCE

### President

OCI Group (Formerly Origin and Cause Incorporated)

Burlington, Ontario

July 1991 – Present

- 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

### Associate

Forensic Engineering Incorporated

Burlington, Ontario

1986 – June 1991

- 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

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## FURTHER TRAINING & EDUCATION

- Niagara Arson Committee Seminar 2024 – 7 Hours, Thorold, Ontario (November 14, 2024)
- International Symposium On Fire Investigation Science & Technology, – 20 Hours, Orlando, Florida (September 16–8, 2024)
- International Association of Arson Investigators Ontario Chapter, Lithium-Ion Battery Fires Seminar – 8 Hours, Grimsby, Ontario (May 28, 2024)
- Georgia Fire Investigator's Association, SE Annual Training Conference at Savannah Riverfront – 28 hours (July 21–August 3, 2023)
- Ontario Municipal Fire Prevention Officers Association & Office Fire
- Marshal, Back to Basics Fire Investigation Seminar (January 25-26, 2023)
- 2022 Georgia Fire Investigators Associations Southeastern Training Conference (July 25–28, 2022)

- IAAI, NFPA 921 CFEI Fire Investigator's Course 2022 (May 9–12, 2022)
- IAAI, Arson For Profit Seminar (March 25, 2021)
- CAFI, "Solving the Unsolvables", 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)
- IAAI, NFPA 921, Georgian College, Barrie, Ontario (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)
- IAAI, NFPA 921, Brock University, St. Catharines, Ontario (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)
- IAAI, NFPA 921, Royal Military College, Kingston (2009–2007)
- NFPA 921, Fire and Explosion Course Trenton, Ontario (2005, 2004, 2002)
- International Association of Arson Investigators
- Evolving Issues for Investigation of Indoor Drug operations Fire Findings
- Joint International Association of Arson Investigators and Canadian Association of Fire Investigators, Investigation of Gas and Electric Appliance Fires
- 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

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## 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, NFPA 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 NFPA 921 IAAI Ontario, Royal Military College, Kingston (2007–2009)
  - Lectured on many occasions on Appliances Fires
  - Lectured NFPA 921 Fire and Explosion Course, Trenton, Ontario (2005, 2003–2002)
  - 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
  - Lectured at IAAI and CAFI Seminars on Fire Investigations
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## **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
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## **COURT EXPERIENCE**

- Qualified as an expert witness 36 times, in both civil and criminal courts, in four Canadian provinces and in the Commonwealth of Massachusetts, USA