

MICHEKA KOSTYNIUK, B.A.Sc., P. Eng., CFEI

CONSULTING FORENSIC ENGINEER

- Fire & Explosion Cause and Origin Investigation (Approximately 379 Investigations)
- Civil Engineering – Roofs, foundations, fire, wind, tornado, water damage, vibration damage, etc (Approximately 1512 Investigations)
- Accident Reconstruction - Motor Vehicle Accidents (Approximately 28 Investigations)
- Personal Injury Accident Investigation – Slips, Trips, Falls (Approximately 194 Investigations)
- Failure Analysis - Product Liability and Subrogation (Approximately 72 Investigations)
- Environmental Claims, Fuel Oil Spills, Mouldy Structures (Approximately 45 Investigations)
- Expert Witness Testimony in Court (5 times)

ACADEMIC BACKGROUND

- Bachelor of Applied Science (Civil Engineering), University of Waterloo, 2005
 - Structural Specialization, received Structural Certificate

ADDITIONAL COURSES & SEMINARS

- Canadian Association of Fire Investigators (CAFI) Conference, Grimsby, ON, May 2019
- National Fire Protection Association (NFPA) 1033 Training Seminar, Grimsby, ON, May 2018
- Canadian Association of Fire Investigators (CAFI) Conference, Grimsby, ON, Apr 2018
- Residential Electricity for Fire Investigators, Benton Harbour, MI, May 2015
- Understanding Commercial Kitchen Systems: Inspections and Fire Investigation, Niagara Falls, ON, Apr 2015
- Roofing Technology and Science: Part 1, Online course through RCI Inc, December 2014
- Fire Loss and Fire Code Litigation – Civil and Criminal Implications, Niagara Falls, ON, Mar/Apr 2014
- 2014 OBC & 2013 SB-12, Toronto, ON, November 2013
- Investigating Solid Fuel-Burning Appliance Fires, Benton Harbour, MI, October 2013
- Ontario Building Code Workshop, Toronto, Ontario, March 2012
- Investigation of Gas and Electric Appliance Fires, Benton Harbour, MI, November 2011
- Design and Analysis of Earth Retaining Walls, Toronto, Ontario, August 2011
- Principles of Electrical Fires and Explosions, San Francisco, CA, February 2011
- Building Condition Assessment, Toronto, Ontario, November 2010
- Canadian Association of Fire Investigators (CAFI) Conference, Toronto, Ontario, November 2010
- International Association of Arson Investigators Annual Conference, Orlando, FL, May 2010
- Forensic Geo-Technical Engineering and Legal Issues, Toronto, Ontario, January 2010
- Certified Fire and Explosion Investigation, Toronto, Ontario, October 2009
- OBOA Building Structural 2006, Toronto, Ontario, October 2009
- ImagineIt AutoCAD 2010 Training, London, Ontario, October 2009
- OBOA Small Buildings 2006, Toronto, Ontario, September 2009
- Institute of Transportation Engineers Annual Conference, Victoria, BC, April 2008
- 11th Annual Building Science and Technology Conference, Banff, Alberta, March 2007
- SMART Project Management, Calgary, Alberta, Fall 2006
- Prime Contractor Training, City of Calgary, Fall 2006
- Introduction to Fire Safety Engineering, Carlton University, Ottawa, Ontario, 2003

EMPLOYMENT BACKGROUND

Caskanette Udall Consulting Engineers

Forensic Engineer, June 2009 - Present

Forensic Engineering Services to Insurance and Legal Clientele

City of Calgary – Transportation Infrastructure

Transportation EIT, June 2008 – March 2009

Project management for small to multi-million dollar road and bridge construction projects

City of Calgary – Transportation Planning

Transportation EIT, June 2007 – June 2008

Planning and forecasting transportation engineering for internal and external clients

City of Calgary – Environmental Management

Environmental EIT, October 2005 – June 2007

Environmental project management on contaminated/potentially contaminated sites, advising on potential environmental liability for real estate transactions, created mould and asbestos policies and procedures

Caskanette & Associates, Consulting Engineers
Forensic EIT, August 2002 – August 2005
Forensic Engineering Services to Insurance & Legal Clientele

University of Waterloo Fire Research Centre
Research and Lab Assistant, September 2004 – December 2004
Fire testing and research, mainly with small cone calorimeter

Frontline Environmental Engineering Corp.
Environmental Technologist, January 2002 – April 2002
Soil, groundwater and air testing, project management, site supervisor

City of Brantford – Transportation Department
Road Design and Inspection, May 2001 – August 2001
Design and inspection of road construction projects

PROFESSIONAL SOCIETIES

- Association of Professional Engineers of Ontario (PEO)
- Ontario Society of Professional Engineers (OSPE)
- National Fire Protection Association (NFPA)
- National Association of Fire Investigators (NAFI)
- Canadian Association of Fire Investigators (CAFI)
- Canadian Society of Forensic Science (CSFS)

ARTICLES

- Overland Flooding vs Sewer Backup; Kitchener-Waterloo Chapter of the OIAA, 2014
- Building Code Changes; Kitchener-Waterloo Chapter of the OIAA, 2012; Without Prejudice, 2012
- Candle Fires, Without Prejudice, 2005; Canadian Independent Adjuster, 2005
- Electrical Fires, Canadian Independent Adjuster, 2005
- Arc Fault Circuit Interrupters, Without Prejudice, 2005; Canadian Independent Adjuster, 2005
- Fire Damage to Concrete, Kitchener-Waterloo Chapter of the OIAA, 2005
- Wet Basement Claims, 2004
- Hog Barn Claims, Ontario Mutual Insurance Association, 2004
- Child Safety Seats, Without Prejudice, 2003.
- Automatic Sprinkler Claims, OIAA Newsletter, 2003; Without Prejudice 2004
- Swimming Pool Claims, OIAA Newsletter, 2003; Without Prejudice 2004
- Glass Failure, Without Prejudice, 2003; Canadian Independent Adjuster, 2003
- Ice and Snow Melting, Without Prejudice, 2003; Canadian Independent Adjuster, 2003
- Dust Ghosting, Canadian Independent Adjuster, 2003; Without Prejudice, 2003

AWARDS, PRESENTATIONS, TRIALS

- Provided expert testimony on behalf of defendant in Ontario Superior Court in Windsor, Ontario, October 2019
- Provided expert testimony on behalf of defendant in Ontario Superior Court in London, Ontario, June 2018
- Provided expert testimony on behalf of plaintiff in Ontario Superior Court in London, Ontario, November 2017
- Provided expert testimony on behalf of defendant in Ontario Superior Court in Goderich, Ontario, May 2013
- Guest speaker on engineering topics (Personal Injury on Properties – Slips, Trips, Falls, etc) to Canadian Condominium Institute (CCI) in September, 2012
- Guest speaker on engineering topics (Building Failure and Property Damage) to Ontario Mutual Insurance Association (OMIA) in March, 2012
- Provided expert testimony on behalf of plaintiff in Ontario Superior Court in London, Ontario, April 2011
- JNE Consulting Ltd. Fourth-Year Design Project Award, August 2005

(Revised February 1, 2023)