



CURRICULUM VITAE

Michael J. Jenkins
B.E.Sc., P.Eng.

Toronto, Ontario

416-877-2007

michael@impactforensics.ca

SPECIALIZED PROFESSIONAL COMPETENCIES

Collisions involving Commercial Vehicles, Automobiles, Motorcycles, Recreational Vehicles, Bicycles and Pedestrians

Staged or Fraudulent Collision Investigation

Vehicle Event Data Recorder (EDR) or 'Black Box' Interrogation

Vehicle Electronics and Diagnostics Interrogation

Berla iVe Vehicle Forensics Software Retrieval and Analysis

Vehicle Recalls, Defects, and Mechanical Fitness Assessments – Automobile, Motorcycle, and Recreational Vehicles

Automobile and Motorcycle Maintenance and Repair

High and Low Speed Impact Analyses

Automobile and Motorcycle Dynamics and Stability Analyses

Restraint System Use and Effectiveness

Nighttime and Reduced Lighting Visibility Analysis and Photography

Roadway Factors, Visibility Obstructions, and Signage

Vehicle Collision Testing

ACADEMIC BACKGROUND

Bachelor of Engineering Science (Mechanical Engineering),
University of Western Ontario, 2000

Additional Courses

Berla iVe Vehicle System Forensics Chip-Off Course,
Annapolis, MD, June 18-20, 2024

NE-IAATI and CASIU 51st Annual Vehicle Crimes
Conference, Mississauga, ON, May 6-9, 2024

EV 101: Introduction to Electric Powertrain Technology,
Scalar Performance (SAE), Toronto, ON, April 23, 2024

Event Data Recorder (EDR) Summit, Houston, Texas
February 5-7, 2024

ADDITIONAL COURSES AND SEMINARS

Forensic Photography Symposium (virtual),
January 22-25, 2024

World Reconstruction Exposition, Orlando,
Florida, April 17-21, 2023;

Motorcycle Collision Reconstruction, L.,
Peck, P.E., Lightpoint Learning, March 2023;

Accident Reconstruction Digital Summit,
Society of Automotive Engineers (SAE),
March 2023;

Recon-3D Certification Training, Liscio, E.,
Recon-3D Inc., October 2022;

Toyota Techstream and ADAS Systems,
Manz, N., Toyota Canada, August 2022;

Collision Avoidance Systems and Winter
Conditions, Charlebois, D., et al, Transport
Canada, August 2022;

CATAIR National Conference, Ontario Police
College, August 2022;

Berla iVe Vehicle Forensics Software, Orillia,
Ontario, October 2021;

CATAIR National Conference, Ontario Police
College, August 2018;

Advanced Crash Reconstruction Utilizing
Human Factors Research, Muttart, J., Ph.D.,
Crash Safety Solutions LLC, Toronto, ON,
May 2017;

Tire Forensics and Accident Reconstruction,
Tennent, T.J., Bridgestone Corporation and
the Canadian Association of Technical
Accident Investigators and
Reconstructionists, June 27, 2017;

Annual Chapter Meeting, National
Association of Subrogation Professionals,
Toronto, ON, November 2, 2016;

Annual Training Seminar, International
Association of Auto Theft Investigators,
Ottawa, May 2016;

Fraud Investigation Technology Conference,
Association of Certified Fraud Examiners,
Toronto, May 2016

Crash Data Retrieval - Operator, Analysis
and Applications Course, Crash Data
Specialists LLC, November 2015

Practical Strategies for Experts, Personal
Injury Alliance, Toronto, 2014

CASIU Annual Fraud Forum, 2010 - 2019

CATAIR National Conference, Ontario Police
College, 2014

Crash Data Retrieval Updates, Ontario Police
College, 2014

Crash Data Retrieval Analysis and
Applications Course, Crash Data Specialists
LLC, 2012

SAE World Congress, 2006 – 2012

PC Crash 8.1 Training Seminar, Toronto,
2009

Crash Data Retrieval Technician Course,
Toronto, 2006

Finite Element Analysis, Purdue University
Masters Course, 2005

Managing Engineering Materials Selection,
Chalmers University Masters Course, 2004

General Motors Approach to Vehicle
Dynamics, General Motors University
Seminar, 2004 Advanced Winter Driver
Training, Ian Law Racing, January 2003

L850 Twin Cam Engine Teardown, General
Motors University Seminar, 2004

Product and Process Design, Purdue University Masters Course, 2004

Small Engine Maintenance and Repair, Durham College, Oshawa, 2003

Motorcycle Operator Training Course, Durham College, Oshawa, June 2004

Vehicle Safety Engineering, Wayne State University Masters Course, 2002

Vehicle Dynamics, University of Michigan Masters Course, 2003

Solo 1 and 2 Advanced Driver Training, Ian Law Racing, August 2002

Forensics Engineering Workshop, University of Toronto, 2003

Advanced Driver Training, Ian Law Racing, July 2002

Management of Technical Projects, Rensselaer Polytechnic Institute Masters Course, 2003

Advanced Driver Training, General Motors University, January 2001, May 2001

CERTIFICATIONS

CVST - Berla iVe Certified Vehicle System Forensic Technician, Oct 2021 (recertified in 2023)

CVSE - Berla iVe Certified Vehicle System Forensic Examiner, Oct 2021 (recertified in 2023)

Recon-3D Certification, Recon-3D Inc., October 2022

Crash Data Retrieval Operator, Analysis and Applications, Crash Data Specialists LLC, November 2015 and August 2012

PADI Advanced Scuba Diver Certification, Honduras, January 2006

Unigraphics Design Engineer Certification, General Motors University, 2005

Ontario Motorcycle License, Class M, September 2004

EMPLOYMENT BACKGROUND

IMPACT FORENSICS INC.

President

January 2015 - Present, Toronto, ON

Lead investigator and manager of technical investigations primarily involving motor vehicle collision reconstruction, vehicle electronics interrogation and analysis, defects in mechanical equipment, and failures involving engineering factors

Investigation of mechanical product failures

Business Operations and Development Lead

GIFFIN KOERTH INC (30 FORENSIC ENGINEERING)

Senior Associate - Collision Reconstruction

January 2006 – January 2015, Toronto, ON

Lead investigator and manager of technical investigations primarily involving motor vehicle collision reconstruction, defects in mechanical equipment, and failures involving engineering factors

Investigation of mechanical product failures

GENERAL MOTORS OF CANADA LTD

Chassis and Powertrain Test and Validation Engineering Lead

June 2000 – December 2005, Oshawa, ON

Chassis and power train system integration testing and validation

Vehicle and system level testing and validation including fuel systems, brakes, steering, suspension and vehicle exhaust, design failure modes and effects analysis, vehicle crash and durability testing,

Development of subsystem technical design and testing specifications

Authoring of vehicle test and Federal Motor Vehicle Safety Specifications (FMVSS) reports

TIMBERJACK INC.

Engineering Intern

May 1998 – August 1999, Woodstock, ON

Design, development, and testing of forestry equipment

CAD design – Pro E

PROFESSIONAL SOCIETIES AND ASSOCIATIONS

Registered Professional Engineer, Professional Engineers Ontario (2006)

Member, Canadian Association of Technical Accident Investigators and Reconstructionists (2006)

Member, Society of Automotive Engineers (2002)

Member, Canadian Association of Special Investigations Units (2015)

| COURT APPEARANCES

Qualified to give expert evidence in the fields of Accident Reconstruction and Black Box Technology by the Ontario Superior Court of Justice – Criminal Offences

Qualified to give expert evidence in the fields of Accident Reconstruction, Mechanical Engineering, Damage Causation, and Automotive Mechanical Fitness, by the Ontario Superior Court of Justice – Civil Litigation

Qualified to give expert evidence in the field of Accident Reconstruction by the Ontario Provincial Offences Court

Qualified to give expert evidence in the field of Accident Reconstruction by the Ontario Provincial Small Claims Court

Qualified to give expert evidence in the field of Accident Reconstruction by the Financial Services Commission of Ontario (FSCO)

Qualified to give expert evidence in the fields of Accident Reconstruction, Automotive Engineering, Event Data Recorder Interrogation and Analysis, Mechanical Engineering, and Staged and Fraudulent Collisions by the Ontario Licence Appeals Tribunal

| SPEAKING APPEARANCES

Special Investigations and Forensics, TD Insurance, March 21, 2023 and March 28, 2023

Fraudulent Collision Investigations, Allstate Insurance Company, September 22, 2021

Autonomous Vehicle Technology: A Forensic Perspective, CASIU Webinar, October 20, 2021

Smart Keys, Webinar, Unica Insurance Company, May 27, 2021

Vehicle Technology in Fraudulent Claim Investigation, Allstate Insurance Company, June 22, 2021

Damage Documentation and Interpretation, Wawanesa Mutual Insurance Company, Toronto, ON, May 15, 2019

Vehicle Technology in Fraudulent Claim Investigation, 2018 Aviva Fraud Conference, Aviva Canada, Markham, ON, April 26, 2018

Trends and Technology in Fraudulent Claim Investigation, 2017 Annual CASIU Fraud Forum, BMO Learning Institute, Markham, ON, September 19, 2017

Trends and Technology in Fraudulent Claim Investigation, RSA Insurance, Burlington, ON, July 20, 2017

Trends and Technology in Fraudulent Claim Investigation, Wawanesa Mutual Insurance Company, Toronto, ON, May 8 – 9, 2017

Trends and Technology in Fraudulent Claim Investigation, Wawanesa Mutual Insurance Company, Toronto, ON, May 8 – 9, 2017

Fraudulent Claim Investigation, Intact Insurance Company, Toronto, ON, February 22, 2017

Motor Vehicle Collision Subrogation, National Association of Subrogation Professionals (NASP) Canadian Chapter Meeting, Toronto, ON, November 2, 2016

Vehicle Damage Analysis and Documentation, Wawanesa Mutual Insurance Company, Toronto, ON, September 1, 2016

Member of Expert Panel at CASIU Annual Toronto Fraud Forum, Thornhill, ON, September 22, 2015

Vehicle System Forensics and Applications, CASIU Annual Toronto Fraud Forum, Thornhill, ON, September 22, 2015

Technical Defence of Fraudulent MVA Collisions, Intact Insurance Company, Mississauga, ON, July 23, 2015

Issues in Collision Reconstruction, Joint Expert Food for Thought Seminar, Whitby Public Library, Whitby, ON, May 27, 2015

Technical Defence of Fraudulent MVA Collisions – Session 2, Wawanesa Mutual Insurance Company, Toronto, ON, May 20, 2015

Technical Defence of Fraudulent MVA Collisions –Session 1, Wawanesa Mutual Insurance Company, Toronto, ON, May 13, 2015

Vehicle Electronics and the Future of Vehicle Forensics, The Canadian Association of Special Investigation Units (CASIU) - General Meeting, Vaughan, ON, May 6, 2015

Identification of Red Flags in Collision Reconstruction, Intact Insurance, Ajax, ON, November 2014

Staged Collisions and Injury Biomechanics, CAA Insurance, Burlington, ON, November 2014

Issues in Collision Reconstruction and Biomechanics, TD Insurance, Toronto, ON, November 2014

Issues in Collision Reconstruction and Biomechanics, TD Insurance, Burlington, ON, November 2014

Fraud Detection, OIAA Georgian Bay Chapter, Barrie, ON, October 2014

Tackling Fraud and Staged Accidents – The Aggressive Approach, Transportation Law Seminar, Hosted by McCague Borlack LLP, Toronto, ON, May 2014

Emerging Technology in the Investigation of Fraudulent MVA Claims, Medico-Legal Society of Toronto, 'The Fight Against Fraud', October 2013

Emerging Technology in the Investigation of Fraudulent MVA Claims, Insurance Institute of Toronto, ON, June 2013

Technology and Investigative Techniques for Fraudulent MVA Claims, ISB Canada, Edmonton, AB, 'Combat Auto Fraud', May 2013

Emerging Technology in the Investigation of Fraudulent MVA Claims, Intact Insurance Company, Toronto, January 2013

Member of Expert Panel at Clamping Down on Insurance Fraud, ISB Canada, October 2012

Accident Reconstruction and Investigative Techniques for Fraudulent MVA Claims, Sovereign General Insurance Company – RIBO Certified Training, Toronto, March 2012

Investigative Techniques for Fraudulent MVA Claims, Economical Insurance Group - Training Session, May 2011

Mock trial expert witness at Working with Experts: Practical Tips and Techniques for Winning Cases, The Advocates Society, Toronto, May 2011

Technical Defense of Fraudulent MVA Claims, ISB Canada 'The ART of Staged MVAs' Training Session, March 2011

Motorcycle Road Departures – Understanding the Problem, Institute of Transportation Engineers (ITE) Annual Meeting and Exhibit, August 2010

Motorcycle Accident Reconstruction – Advanced Technologies and Injury Biomechanics, Jevco Insurance Company, May 2008