

# Continuing Education Courses and Seminars Offered by MEA Forensic

## ✚ Transportation and Accident Reconstruction

- Collision Dynamics & Evasion
- Speed, Braking, and Tire Mark Analysis
- Reconstruction of the Sequence of Events
- Computer Simulation and Avoidance Potential
- Nighttime Visibility and other Human Response Variables
- Heavy Truck or Trailer Reconstruction
- Motorcycle or Bicycle Reconstruction
- Low Velocity and Pedestrian Impacts
- The Relation between Accident Reconstruction and Injury Biomechanics

## ✚ Automobile Crash Data Recorders "The Black Box Under Your Seat"

- Crash Data Recorder Basics
- Data Collection and Interpretation
- Accuracy and Applicability

## ✚ Injury Biomechanics

- Introduction of Biomechanics and Basic Anatomy
- Injury Causation Analysis
- Biomechanics of Head Injuries and Helmet Effectiveness
- Seat Belt Effectiveness
- Event Comparisons and Differentiations
- Litigation Components
- The Relation Between Accident Reconstruction and Injury Biomechanics

## ✚ Biomechanics of Slip, Trip, and Fall

- Slip and Trip and Walking Biomechanics
- Updated Research Using Tribometers and Human Subjects
- Injury Mechanism and Assessment
- Coefficient of Friction
- Building Code Analysis and Hazard Identification

## ✚ Accident Reconstruction Software

- PCCrash
- MADYMO Occupant Dynamics

## ✚ Aviation Accident Analysis

- Aircraft Systems and Failure Analysis
- Engine Failures, Fires, and Shutdowns
- Stress and Mechanical Vibration Analysis
- Sequence of Failure Reconstruction
- Human Factors and Adverse Weather Effects
- FAA Operating Rules and ATC Procedures

## ✚ Product, Property & Premises

- Flood and Fire Investigations
- Product litigation
- Metallurgy and Polymer Analysis
- Failure analysis and Methodology
- Construction Defects
- Evidence Preservation and Spoliation

To schedule a session for any of the above topics, or to book a custom seminar, please contact Heather Andrews at 1-604-277-3040 or email [heather.andrews@meaforensic.com](mailto:heather.andrews@meaforensic.com). MEA is an approved provider at the Law Society of BC.