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Stephan M. Neese Accident Reconstruction Specialist

ACTAR Certified since 1997, certification # 563- ACTAR is the national comprehensive program of accreditation and certification in Accident Reconstruction (*Accreditation Commission for Traffic Accident Reconstruction*)

Attended the Traffic Institute at Northwestern University, Evanston, Illinois- Successfully passed and completed all the crash investigation and reconstruction courses (1978-1990)

Collision Analysis Consultant, self-employed since 1986, incorporated 1992- President of Stephan M. Neese & Associates Accident Reconstruction, Inc

Certified Data Retrieval Specialist in downloading automobiles' event data recorder and analysis of data provided by the software to assist in the understanding of and analyzing a traffic collision

Expert Testimony given in more than one-hundred trials and two-hundred-fifty depositions- including Federal, Civil and Criminal Courts for civil plaintiffs and defendants, criminal prosecution and criminal defense

Reconstructed over fourteen-hundred collisions that included automobiles, sport utility vehicles, commercial trucks and busses, trains, motorcycle and pedestrians

Retired Police Officer, twenty years continuous service with the Schererville Police Department, Schererville, Indiana, (1976-1996); with Accident Investigation specialty; Created and supervised the departmental accident reconstruction team and accident training

As a Police Officer Investigated Over 1000 Collisions since 1976 as primary investigator; minor property damage collisions, serious bodily injuries and fatality crashes; including pedestrian, automobile, commercial vehicle, motorcycle, bicycle and train collisions

As a Police Officer Assisted in More Than 2500 Police Crash Investigations- at scene and follow-up investigations as a first responder, supervisor and/or consultant

Completed over 2200 Specialized Hours of instruction in accident investigation, reconstruction procedures and scientific principles used in the reconstruction process including physics, mechanics, kinematics

Stephan M. Neese

Accident Reconstruction Specialist (*cont.*)

Mapped & Measured Hundreds of Crash Scenes- road dimension, grade profiles, skid marks, gouges and other crash related evidence

Inspected and Analyzed Thousands of Vehicles and damage to determine impact configuration, vehicle defects, lamp illumination and specific crush measurements

Photographed Hundreds of Crash Scenes and Vehicles for collision analysis, scene preservation, photogrammetry and court proceedings

Attended Indiana Law Enforcement Academy (1976), Plainfield, Indiana- Completed and passed the Indiana Police Officer's Basic Training Course

As a Certified Instructor by State of Indiana Law Enforcement Training Board developed and taught the Crash Investigation and Photography curriculum for Northwest Indiana Law Enforcement Training Council

Guest Speaker/Instructor at Institute of Police Technology and Management Special Problems, Illinois Association of Technical Accident Investigators, Indiana Prosecutor's Conference, and the Indiana Association of Certified Accident Investigators

Graduated Griffith High School, Griffith, Indiana (1972); Math, Science and Business majors

Developed and Operate the Highway Control Driving School, a defensive driving program for local city and county courts and company fleet managers

Principal Partner with The Visual Courtroom, LLC- trial exhibits and 3-D computer animations for all types of litigation 1992-2012

Adjunct Instructor REC-TEC Computer Program for Michigan State University at the Minnesota Highway Patrol Jan, 2020

Memberships

Indiana Association of Certified Accident Investigators (1990-2020)

Illinois Association of Technical Accident Investigators (1990-2022, secretary 2002-2008)

International Network of Collision Reconstruction (since 2000)

Society of Automotive Engineers Affiliate Member (2002-2020)

In recognition of demonstrated academic achievement, completion of
accident specific training, applied experience in the field,
and in view of the successful completion
of the ACTAR Full Accreditation
Written and Practical Examination,
the ACTAR Governing Board of Directors
hereby awards the level of

Full Accreditation as a
Traffic Accident Reconstructionist

to

Stephan M Neese

Issued this 15th Day of September 2020



Ron Sanders
Chair, ACTAR



David Benn
Secretary, ACTAR



Expiration date: **September 15, 2025**

Registration Number: **563**

Traffic Crash Schooling

ACCIDENT INVESTIGATION

The Traffic Institute, Northwestern University

Evanston, Illinois November 1978

Course Topics Include:

Analysis of Accident Data
Events of an Accident
Human Elements and Factors
Mapping and Measuring
Physical Facts From the Road
Physical Facts From the Vehicle
Speed Estimates From Road Markings
The Investigation Process
The Enforcement Process



TECHNICAL ACCIDENT INVESTIGATION

The Traffic Institute, Northwestern University

Evanston, Illinois October 1986

Course Topics Include:

Accident Data Analysis
Lamp Examination
Legal Aspects of Technical Accident Investigation
Mapping and Measuring
Perspective Grid Mapping
Qualitative Vehicle Dynamics
Road Information
Technical Preparation vs. At-Scene Investigation
Tire Damage
Vehicle Damage Evaluation



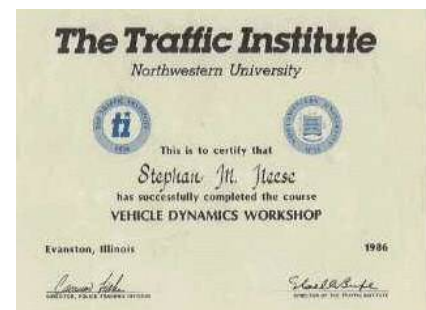
VEHICLE DYNAMICS WORKSHOP

The Traffic Institute, Northwestern University

Evanston, Illinois October 1986

Course Topics Include:

Articulated Vehicles
Energy Applications
Momentum Applications
Vehicle Dynamics



Traffic Crash Schooling

TRAFFIC ACCIDENT RECONSTRUCTION I

The Traffic Institute, Northwestern University

Evanston, Illinois June 1988

Course Topics Include:

Articulated Vehicles
Conservation of Momentum
Driving Strategy and Tactics
Mechanics
Microcomputer Applications
Reconstruction Process
Vehicle Behavior in Collisions



TRAFFIC ACCIDENT RECONSTRUCTION II

The Traffic Institute, Northwestern University

Evanston, Illinois November 1988

Course Topics Include:

Conservation of Momentum
Motorcycles
Occupant Kinetics
Pedestrian Accidents



MICRO-COMPUTER ASSISTED TRAFFIC ACCIDENT RECONSTRUCTION

The Traffic Institute, Northwestern University

Evanston, Illinois September 1990

Course Topics Include:

Crush Profile Measurements
Damage Classifications
EDCRASH
Photogrammetry
Vehicle Fixed Coordinate Systems



Traffic Crash Schooling

iN-PUT ACE Video Interrogation Operator's Class

iN-PUT

Virtual Classroom

August 2021

Course Topics Include:

The File List
The Interrogation Tab
The Workflow Tab



iN-PUT ACE Video Interrogation Examiner's Class

iN-PUT

Virtual Classroom

October 2021

Course Topics Include:

Frame Rate
Narrative Report
Synchronizing Canvas Video Clips



Optics, Lighting and Visibility for the Forensic Investigator

Clearly Visible Presentations, LLC.

Fishers, Indiana

August 2013

Course Topics Include:

The Physics of Light
Photometry (principles and units)
Basic Optics: Transmission, Transmission & Absorption
The Human Vision System
Light Sources
Atmospheric/Weather Influences
Object Reflectance
Retro-reflective Materials
Headlights- principles and Optics
Photography
Documenting Night Scenes
Low-Light Photography
Forensic Photography Review



ARAS 360 ADVANCED 3D COMPUTER DIAGRAMMING

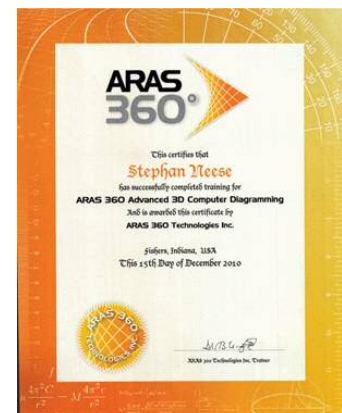
Aras 360 Technologies, Inc.

Fishers, Indiana

December 2010

Course Topics Include:

CAD Basics
Downloading Total Station Mapping Data
Animations
Calculations Using ARAS 360



Traffic Crash Schooling

ADVANCED PHYSICS & ANIMATION- REC-TEC & FORENSIC 3D SOFTWARE

REC-TEC LLC

Jekyll Island, Georgia

December 2007

Course Topics Include:

Physics Review
Advanced Physics and Reconstruction
REC-TEC Software Usage
Animation Basics
Use of Forensic 3-D Software with REC-TEC



CRASH DATA RETRIEVAL (CDR) CERTIFICATION SYSTEM OPERATOR

Collision Safety Institute,

Bloomington, Illinois

September 2007

Course Topics Includes:

Event Data Technology
CDR Terminology
Airbag Deployments
GM and Ford Downloading Procedures
Certification Process



PHOTOMODELER PRO5 COLLISION INVESTIGATION

EOS Systems, Inc.

Raleigh, North Carolina,

March 2005

Course Topics Include:

Photogrammetry Process
PhotoModeler Pro 5 Software
Camera Calibration
Referencing Photographs
Creating 3-D Models
Scene and Evidence Photogrammetry
Inverse Camera Process



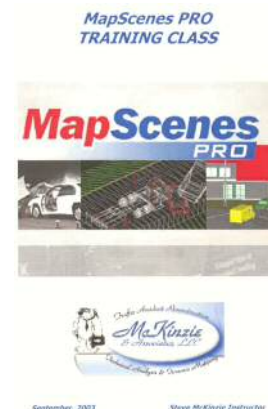
MAPSCENES PRO

Mount Vernon, Illinois

September 2003

Course Topics Include:

CAD Software Overview
Getting Started in MapScenes Pro
Field Exercise With Total Stations



Traffic Crash Schooling

CRASH DATA RETRIEVAL (CDR) CERTIFICATION SYSTEM OPERATOR

*Collision Safety Institute,
Arlington Heights, Illinois*

September 2002

Course Topics Include:

Event Data Technology
CDR Terminology
Airbag Deployments
GM Downloading Procedures
Certification Process



ANALYSIS OF LOW SPEED COLLISIONS

*Texas A & M University Engineering Extension Service
Houston, Texas*

April 1997

Course Topics Include:

Anatomy
Biomechanics- Physical Parameters
Damage & Delta V Applications
Force, Momentum, PDOF, Energy
Occupant Motion & Tolerances
Vehicle Safety



PEDESTRIAN CRASH INVESTIGATION

*Canadian Police College
Ottawa, Ontario*

August 1991

Course Topics Include:

Bicycle Collision Analysis
Car/ Bicycle Nomenclature
Human Anatomy
Pedestrian Collision Analysis
Tire Marks



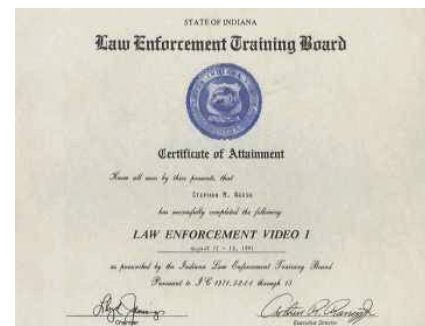
LAW ENFORCEMENT VIDEO I

*Indiana Law Enforcement Academy
Plainfield, Indiana*

August 1991

Course Topics Include:

Basic Video Terminology
Video Tape Mechanics
Scene Video Tape Principles



Traffic Crash Schooling

LAW ENFORCEMENT VIDEO II

Indiana Law Enforcement Academy

Plainfield, Indiana

August 1991

Course Topics Include:

Close-up Videography
Lighting Techniques
Video Tape Editing



HEAVY VEHICLE CRASH INVESTIGATION

University of Indianapolis

Indianapolis, Indiana

June 1989

Course Topics Include:

Air Brakes
Articulated Vehicles Investigation
Federal Motor Carrier Regulations
Vehicle Dynamics



SEATBELT ACCIDENT INVESTIGATION

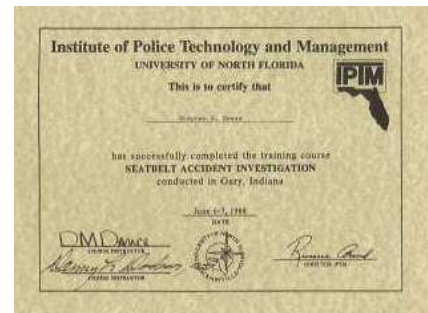
Institute of Police Technology and Management

Jacksonville, Florida

June 1988

Course Topics Include:

Child Restraint and Seatbelt Injuries
Frontal, Side, and Rear Impacts
Restraint Hardware
Rollovers
Unrestrained Injuries
Vehicle and Occupant Dynamics



VEHICLE CRASH PHOTOGRAPHY III

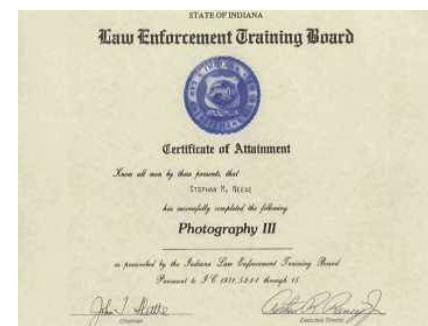
Indiana Law Enforcement Academy

Plainfield, Indiana

December 1981

Course Topics Include:

Color Theory
Crash Photography
Lighting Techniques
Process Controls



Traffic Crash Schooling

EMERGENCY VEHICLE OPERATOR'S COURSE

United States Department of Interior

Lake/Suburban Safety Training Council

Gary, Indiana

October 1981

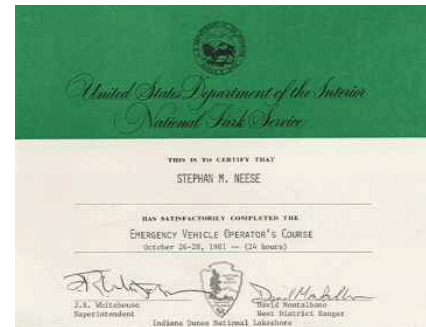
Course Topics Include:

Controlled Braking

Evasive Maneuvers

Highway Response

Vehicle Dynamics



ADVANCED INTERVIEW TECHNIQUES

Lake/Suburban Public Safety Training Council

Gary, Indiana

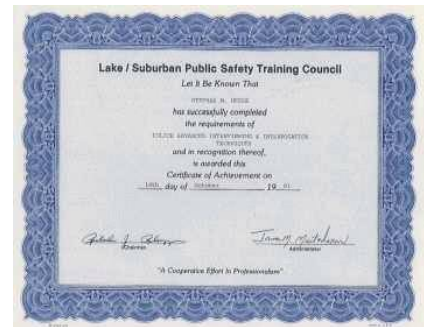
October 1981

Course Topics Include:

Critical Question Technique

Human Behavior

Verbal & Non-verbal Communications



LAW ENFORCEMENT PHOTOGRAPHY II

Indiana Law Enforcement Academy

Plainfield, Indiana

June 1981

Course Topics Include:

Macro Photography

Nighttime Photography

Scene Photography Technique



EVIDENCE TECHNICIAN TRAINING

Lake/Suburban Public Safety Training Council

Gary, Indiana

April 1981

Course Topics Include:

Data Collection

Diagraming Scene

Scene Management



Traffic Crash Schooling

LAW ENFORCEMENT PHOTOGRAPHY I

Indiana Law Enforcement Academy

Plainfield, Indiana

April

1979

Course Topics Include:

Basic Camera Mechanics

Film Principles

Photography Techniques



TRAFFIC SUPERVISION

Indiana Law Enforcement Academy

Plainfield, Indiana

December 1978

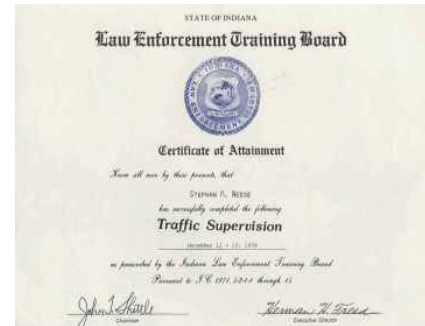
Course Topics Include:

Human Behavior & Motivation

Problem Analysis

Supervisory Leadership

Traffic Safety Program



DEATH INVESTIGATION

Indiana Law Enforcement Academy

Plainfield, Indiana

August

1977

Course Topics Include:

Alcohol/Drug Deaths

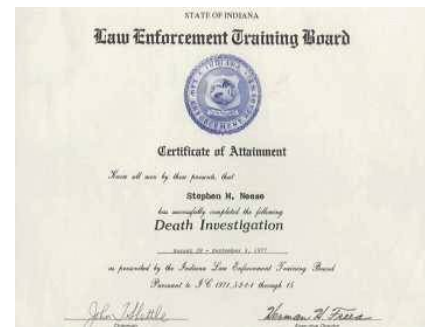
Injury Patterns

Role of Pathologist

Scene Management

Traffic Deaths

Vehicle Safety



CHEMICAL TESTS FOR INTOXICATION

Indiana University, School of Medicine

Indianapolis, Indiana

March

1977

Course Topics Include:

Blood Alcohol Calculations

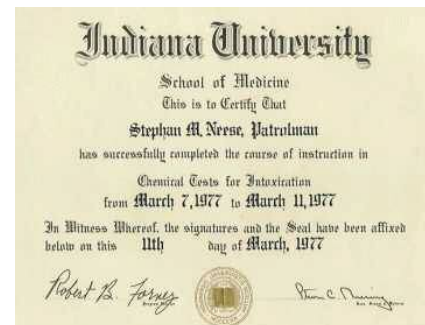
Breath Alcohol Methods

Breathalyzer Theory & Operation

Pharmacology & Toxicology

Procedure

Stages of Alcoholic Intoxication



Traffic Crash Schooling

GRADUATE INDIANA LAW OFFICER BASIC COURSE

Indiana Law Enforcement Academy

Plainfield, Indiana

March

1977

Course Topics Include:

Basic Police Functions

Basic Scene Investigation

Crash Elements

Mapping & Measuring

Report Writing

Vehicle Safety Overview



CRASH SEMINARS

ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Springfield, Illinois

October 2021

Seminar Topics Include:

Accurate Timing From Video
Airborne Validation
CDR Technician Update
Excel for Crash Reconstruction
Expert Witness Presentation
Heavy Vehicle Crash Investigation
Hyundai & Kia Crash Data
Infotainment Investigations
Tesla Presentation
Translational and Rotational Drag Factors
Crash Tests



ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Springfield, Illinois

October 2019

Seminar Topics Include:

Courtroom Testimony
Unmanned Aircraft System Mapping
Tesla Case Study
Event Data Recorders 2019 Update
Hyundai & Kia Crash Data
Toyota Vehicle Control History
Identifying Mechanical Deficiencies
Practical Human Factors
Delta-V Calculations
Video Evidence
Crash Tests



ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Springfield, Illinois

September 2018

Seminar Topics Include:

A Judge's Perspective
Heavy Trucks
Autonomous Vehicle- Who's Responsible?
Critical Speed vs. Spin
Event Data Recorders 2018 Update
Trailer Stability, Hitches and Towing
UAW Technologies
Simultaneous Equations
Motorcycle Case Study
Crash Tests



CRASH SEMINARS

ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Springfield, Illinois

September 2017

Seminar Topics Include:

The Acquisition and Analysis of Infotainment
and Telematics/ Berla iVe System
Post-Crash Vehicle Inspections
Motorcycle Vehicle Headlights- Future
ABS Testing
Event Data Recorders 2017 Update
UAW Technologies
Modern Motorcycle Technologies/Techniques
Animation Validation
Adaptive Intersections and Light Timing
UAS Program
Occupant Kinematics and Crash Reconstruction
Crash Tests



WREX 2016 WORLD RECONSTRUCTION EXPOSITION

Orlando, Florida

May, 2016

Seminar Topics Include:

- Autonomous Driving
- Applied Statistics for Reconstruction
- Biomechanic Injury Assessment
- Bridgestone Tires
- Commercial Vehicle Air Brakes
- Digital Forensics & Heavy Vehicle Post Crash Inspections
- Distracted Driving
- EDR Anomalies
- EDR Update
- Forensic Investigation Injury/Death
- Emergency Vehicle Reconstruction
- Heavy Vehicles
- Injury Analysis- Listening to Injuries
- Marijuana and Crashes
- Motorcycle Crash Investigations
- Motorcycle Speed From Deformation
- NTSB Accident Investigations
- Pedestrian Collisions
- Rollover Crashes
- SDM Survivability
- Speedometers and Collision Reconstruction
- UAVs (Unmanned)
- Video Analysis
- Visual Amodal Perception
- Crash Tests



CRASH SEMINARS

ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

East Peoria, Illinois

September 2015

Seminar Topics Include:

Event Data Recorders 2015 Update
Forensic Trace Evidence from Traffic Crashes
Medical Marijuana and Crash Investigation
The Importance of Autopsy Data in Occupants
Traffic Emerging Technologies
Using EDR Delta-V to Calculate Closing Speed
Using Simultaneous Equations to Solve Crash
Vehicle Inspection and Nomenclature and Equipment
Crash Tests



MIDWEST ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Wisconsin Dells, Wisconsin

June 2013

Seminar Topics Include:

Advanced Energy Analysis with Force Balance
Conservation of Momentum with CDR Applications
Crash Data Retrieval System Update
Heavy Truck Crash Reconstruction
Heavy Vehicle EDR Analysis
Human Factors, IDRR Software Analysis
Monte Carlo Analysis
Motorcycle Crash Reconstruction
Pedestrian Crash Reconstruction



ARC-CSI CRASH

Accident Reconstruction Network-Collision Safety Institute

Las Vegas, Nevada

June 2012

Seminar Topics Include:

Closing Speed Workshop
Drug Recognition Training
Establishing Safe and Realistic Speed Limits
Highway Design- Safety Appurtenances
Low Speed Collisions- Reconstruction Applications
Low Speed Collisions- Biomechanical Analysis
Measuring Yaw Marks from Digital Maps
Overview of GM Hybrid and Electric Vehicle
Seat Belt Analysis
Technology-Its Relationship to EDR Data
Tread Separation Crashes Involving Axle Tramp
Using ECM Diagnostic Data in Crash Reconstruction
Crash Tests- 7 Crash Tests and Reviews



CRASH SEMINARS

SPECIAL PROBLEMS IN TRAFFIC ACCIDENT RECONSTRUCTION

Institute of Police Technology and Management

Orlando, Florida

April

2011

Seminar Topics Include:

An Introduction to Energy Concepts in Reconstruction
Basics Physics for Crash Reconstruction
Bicycle Crash Investigation
CDR-Crash Data Collection Guide for GM Airbag Unit
EDR Data in Reconstruction Real World Studies
Event Data Recorders- What's New
Introduction to Microsoft Excel for Reconstruction
NASCAR Safety Innovations
Police Fleet & Vehicle Crash Concerns
Portable GPS Usage in Reconstruction
Safe Following Distances Nighttime Commercial Vehicles
Simulation 101
Tires, Tire Forces and Stability
Traffic Signal Timing Essentials
Working with Crush and Momentum- Motorcycle-car
Crash Tests



ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Bloomington, Illinois

September 2010

Seminar Topics Include:

Crash and Restitution
Drag Sled Testing
EBS, KEES and Delta-V
ECM Field Guide
Excel for Reconstruction
Pedestrian and Cycles Crashes
Tires, Forces and Stability
Trailer Crash Analysis
Crash Tests



SPECIAL PROBLEMS IN TRAFFIC ACCIDENT RECONSTRUCTION

Institute of Police Technology and Management

Orlando, Florida

April

2010

Seminar Topics Include:

Commercial Motor Vehicle Drive Train Analysis
Advanced Pedestrian/Bicycle Crash Investigation
Research Stiffness/Calculate Stiffness Values
Planning and Bullet Proofing Your Reconstruction
Validation of On-going Drag Sled Studies
Case Preparation and Courtroom Presentation
History & Application of EDCRASH in Reconstruction
Digital Photography for Traffic Crash Investigators
Occupant Kinematics
Instrumentation and Testing for Crash Reconstruction



CRASH SEMINARS

SPECIAL PROBLEMS IN TRAFFIC ACCIDENT RECONSTRUCTION

Institute of Police Technology and Management

Orlando, Florida

April 2010

Crash Data Retrieval Update 2010

Heavy Truck Electronic Control Module(ECM)



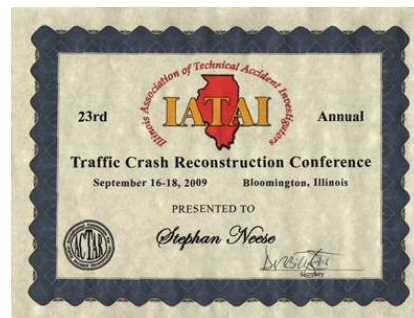
ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Bloomington, Illinois

September 2009

Seminar Topics Include:

Momentum Considerations
Rollover, Occupant Kinematics and Ejection Issues
Digital Photography/Video in Crash Investigation
C.V. Stability and Bendix ESP Systems
Pedestrian Crash- Issues of Concern
Airborne Trajectory Analysis
The Dramatic Impact of Courtroom Visual Aids
From Call-out to Court
Crash Tests
Crash Test Review



SPECIAL PROBLEMS IN TRAFFIC ACCIDENT RECONSTRUCTION

Institute of Police Technology and Management

Orlando, Florida

April 2009

Seminar Topics Include:

Validation for the Use of Drag Sled for Friction
Application of Throw Distance
Damage Profile Analysis
Using Microsoft Excel in Graphing ACM/PCM Data
Commercial Motor Vehicle Foundation Brakes
Hybrid Vehicles- Challenge for Investigators
Modern Technology for Measuring Friction
Using Simulation to Reconstruct and Visualize Crashes
Single Image Planar Rectification and Photogrammetry
Drag Sled Protocol
CDR Release 3.1
Airborne Trajectories and Analysis
Lamp Analysis
Motorcycle Lateral Acceleration and Lean Angles
REC-TEC Update
Crash Tests



CRASH SEMINARS

ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Bloomington, Illinois

September 2008

Seminar Topics Include:

Determining Occupant Seating Positions
Vehicle Rollover Dynamics
A Comparison of ABS Braking Systems
Preparing For Trial
Reconstruction hardware
Energy Analysis Workshop
Crash Testing and Analysis
Trucks-Second Division vehicles
Danger of Hybrid Vehicles
CDR Retrieval Updates
Human Factors
Spin Analysis



ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Bloomington, Illinois

September 2007

Seminar Topics Include:

Fraudulent Crash Reporting
Truck Technology
m-SMAC
Crush Measuring Protocol
Crash Scene Documentation
Eye Witness Testimony
Investigating truck Crashes
Scan Tool and CDR
CDR Retrieval Updates
Pedestrian vaults
Reconstruction Formulas
Modeling ABS Brake Forces
Airbag Control Modules



SPECIAL PROBLEMS IN TRAFFIC ACCIDENT RECONSTRUCTION

Institute of Police Technology and Management

Jacksonville, Florida

April

2007

Seminar Topics Include:

Digital Photography for the Crash Investigator
Interviewing Techniques
Spin Analysis
Forensic Animation
Tire Failure
From Scene to Courtroom
Traffic Homicide and DUI
NHTSA Crash Investigation Program Overview
360-degree Momentum and GM Module
Drag Coefficients in Yaws and Skids
Balancing Forces in Crush
Case Preparation and Courtroom Testimony
Pedestrian and Bicycle Reconstruction
Crash Tests



CRASH SEMINARS

ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Bloomington, Illinois

September 2006

Seminar Topics Include:

ABS Braking Systems
Accelerometers
Airbag Control Modules
Animations & Simulations
Commercial Brake New Technology
Crash Data Retrieval
Forensic Evidence
Pedestrian Vaults
Reconstruction Formulas



CDR USER'S

*Collision Safety Institute/ Accident Reconstruction Network
Dallas, Texas*

February 2006

Seminar Topics Include:

Vetronix New Cables and Coverage
Practical Aspects of CDR in Crash Investigation
Implementing CDR Policy
CDR Data and Human Factor Issues
Various Types of ACM modules and Data Recorded
Motorcycle Collision Involving Vehicles with CDR
CDR Validation and Legal Proceedings
Analysis of CDR Data in 360 Linear Momentum Collisions
CDR Data Comparison to Flight Data Recorders
Durability of ACMs
Quantifying Uncertainties in CDR Data
Accuracy of Speeds Recorded by SDM
GM Modules Overview
Practical Applications of CDR Usage



REC-TEC ADVANCED PHYSICS USING MICROCOMPUTERS

Orlando, Florida

January 2006

Seminar Topics Include:

360-degree Momentum
Delta-V From Damage
Pedestrian Vaults
Basic Photogrammetry



ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Springfield, Illinois

September 2005

Seminar Topics Include:

Crash Data Retrieval
Heavy Truck ECM's
Pedestrian Crash Reconstruction
Pedestrian Statistical Surveys
Pedestrian Crash Tests

CRASH SEMINARS

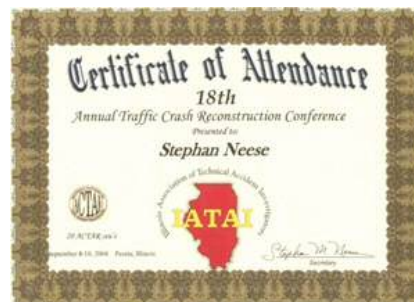
ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Peoria, Illinois

September 2004

Seminar Topics Include:

B.A.C. Evidence
Crash Tests
The Forensic Pathologist
Injuries in the ER
Roll-over Crash Investigations
Roll-over Dynamics



SOUTHEASTERN COLLISION RECONSTRUCTION

Biloxi, Mississippi

July 2004

Seminar Topics Include:

Accident Reconstruction Review
Using Excel in Reconstruction



ACCELERATION AND VERICOM FAMILIARIZATION

Vericom Computers

Arlington Heights, Illinois

November 2003

Seminar Topics Include:

Road and Friction Values
Accelerometers
Vericom Field Testing



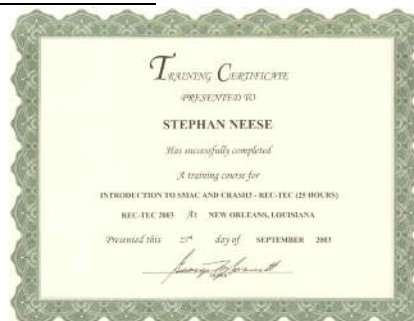
REC-TEC ADVANCED PHYSICS USING MICROCOMPUTERS

New Orleans, Louisiana

September 2003

Seminar Topics Include:

AASHTO Sight Triangle
Air Brake Chambers
Off-Tracking
Weight Shift
Quadratic Solver
The Problems With Turns
Train Crash Investigation
SMAC & CRASH III



CRASH SEMINARS

ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Mount Vernon, Illinois

September 2003

Seminar Topics Include:

Crash Tests
Forensic Mapping
Motion & Airborne Applications



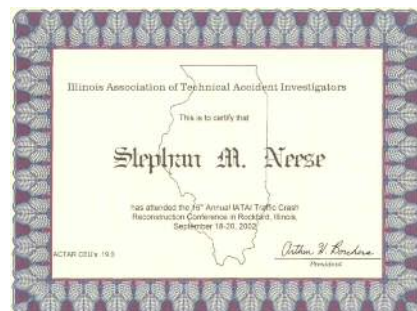
ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Aurora, Illinois

September 2002

Seminar Topics Include:

Crash Tests
Evidence Collection
Breakaway Fracture
Perception & Response
Pole & Tree Impacts



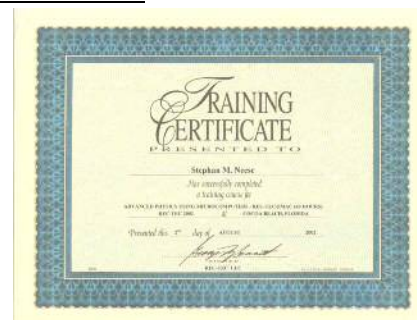
REC-TEC ADVANCED PHYSICS USING MICROCOMPUTERS

Cocoa Beach, Florida

August 2002

Seminar Topics Include:

Time & Distance
Critical Turn-away
Crash
Momentum
Conservation of Energy
Photogrammetry



SPECIAL PROBLEMS IN TRAFFIC ACCIDENT RECONSTRUCTION

Institute of Police Technology and Management

Jacksonville, Florida

April 2002

Seminar Topics Include:

Case Law Updates
Commercial Vehicle ABS
Commercial Vehicle Rollover Data
Drag Sleds Study
Energy Methods in Collisions
Error Analysis in Reconstruction
Human Factors
Motorcycle Momentum
Motorcycle Crashes
Pole Impacts
Rotational Mechanics
Trains
Truck Instrumentation



CRASH SEMINARS

TIPS ANNUAL 2002

Traffic Institute for Police Services

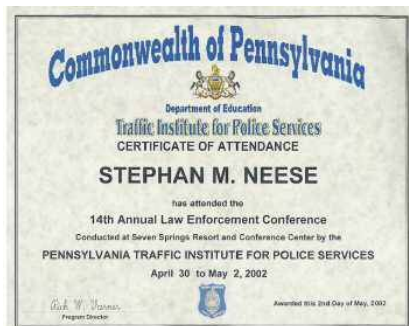
Champion, Pennsylvania

April

2002

Seminar Topics Include:

Advanced Occupant Protection Systems
Event Data Recorders
Driver Visibility and Response Time
Commercial Vehicle Brake/Engine Reconstruction
Pedestrian Accident Reconstruction Update
Computer Animation
Rotational Mechanics in Collision Reconstruction
Crush Analysis



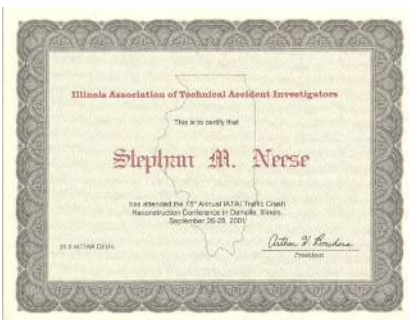
ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Danville, Illinois

September 2001

Seminar Topics Include:

Barrier Crash Tests
Crash Tests
Eyewitness Reliability
Grade Crossing Trains
Human Factors- Perception
Pedestrian Crash Reconstruction
Traffic Signal Basics
Vehicle Forensics



REC-TEC ADVANCED PHYSICS USING MICROCOMPUTERS

Cocoa Beach, Florida

June

2001

Seminar Topics Include:

Time & Distance
Critical Turn-away
Crush
Momentum
Conservation of Energy
Photogrammetry



ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Peoria, Illinois

September 2000

Seminar Topics Include:

Air Bags
Crash Event Recorders
Crash Photography
Crash Tests
Injury Patterns
Witness Statements



CRASH SEMINARS

WREX 2000

College Station, Texas

September 2000

Seminar Topics Include:

Alcohol Involvement
Basics of Crush
Crash Data Recorders
Crash Tests
Critical Speed
Estimating Uncertainty
Event Recorders
Factors in Detection and Response
Forensic Mapping
Hands on Testing
Highway Liability
Laser Measuring
Photogrammetry
Role of Weather Expert
Traffic Signal Timing
Trailer Underride
Vehicle Considerations Investigator
Vehicle Restitution



SPECIAL PROBLEMS IN TRAFFIC ACCIDENT RECONSTRUCTION

Institute of Police Technology and Management

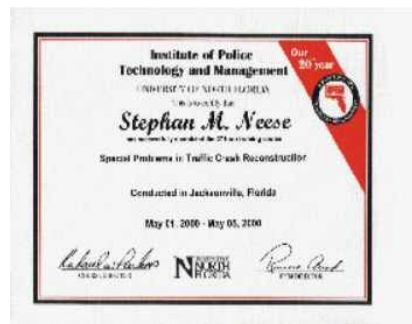
Jacksonville, Florida

May

2000

Seminar Topics Include:

Accuracy & Precision Reconstruction
Blood Stain Patterns
Co-Axial Impact Theory
Collection of Crash Evidence
Commercial Vehicle Crash Update
Crash Worthiness Safety
Data Recorders
Forensic Lighting
Forensic Meteorology
Head-on Collision Speed Calculation
Heavy Truck Rollovers
Impaired Driving Collisions
Measure/Computer Diagramming
Momentum and Physics
Pedestrian Injury Patterns
Photography
Pitfalls in Reconstruction Testimony



CRASH SEMINARS

SPECIAL PROBLEMS IN TRAFFIC ACCIDENT RECONSTRUCTION

Institute of Police Technology and Management

Jacksonville, Florida

April

1999

Seminar Topics Include:

Accelerometers
Blood Evidence & Reconstruction
Car Tires
Damage Analysis
DNA and Trace Evidence
Energy Methods Applications
Inspection of Car Seats
Low Speed Collisions
Momentum Applications
Pedestrian/Bicycle Investigation
Railroad Accident Investigation
Sport Utility Vehicles
Trailer Brakes
Trial Preparation



ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Springfield, Illinois

September 1998

Seminar Topics Include:

Articulated Vehicles
Crash Tests
Federal Trucking Regulations
Night Time Visibility



SPECIAL PROBLEMS IN TRAFFIC ACCIDENT RECONSTRUCTION

Institute of Police Technology and Management

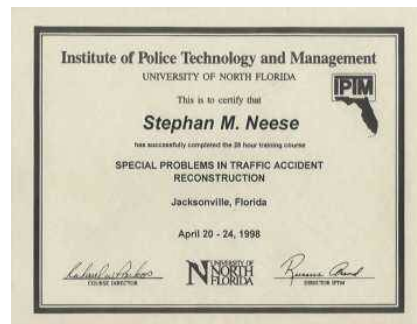
Jacksonville, Florida

April

1998

Seminar Topics Include:

Commercial Vehicle Investigation
Crash Diagraming
Dauber & Forensic Animation
In-Car Video
Linear Momentum
Math and Physics
Occupant Protection Systems
Occupant Seating Positions
Occupant Kinematics
Reconstructionalist-Expert
Trailer Swing-Out



CRASH SEMINARS

ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Arlington Heights, Illinois

September 1997

Seminar Topics Include:

Barrier Equivalent Velocity
Collection of Forensic Evidence
Coordinate Method Vector Analysis
Crash Tests
Forensic Mapping
Mathematical Methods
Momentum Revisited
Simultaneous Equations
Rear-end Collisions



ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Collinsville, Illinois

September 1996

Seminar Topics Include:

Aerodynamics
Civil & Criminal Law
Crash Tests
Low Speed Collisions
Measuring Techniques- Laser
Pedestrian Crash
Photography Technology



SPECIAL PROBLEMS IN TRAFFIC ACCIDENT RECONSTRUCTION

Institute of Police Technology and Management

Jacksonville, Florida

April 1996

Seminar Topics Include:

Acceleration & Deceleration
Computer Analysis Projections
DUI Prosecutions
Effects of Aerodynamics
Human Factors- Perception/Reaction
Hydroplaning
Low Speed Impact Analysis
Pedestrians
Police Product Liability
Tire Retread Technology
Underground Rail Accidents
Vehicle Mechanical Analysis



CRASH SEMINARS

SPECIAL PROBLEMS IN TRAFFIC ACCIDENT RECONSTRUCTION

Institute of Police Technology and Management

Jacksonville, Florida

April 1995

Seminar Topics Include:

Animation & Simulation
Bus Accident Reconstruction
Commercial Vehicle Analysis
Demonstrative Evidence
Friction & Tire Forces
Headlight Pattern Analysis
Motorcycle Reconstruction
Night Visibility
Occupant Kinematics
Physical Evidence vs. Eye Witness
Tire Forensics
Vector Analysis



ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

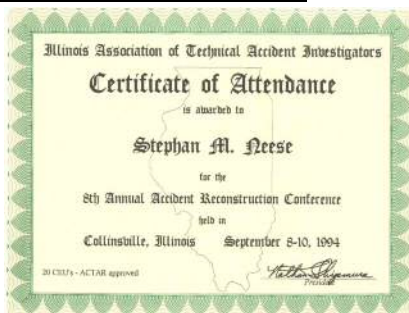
Collinsville, Illinois

August

1994

Seminar Topics Include:

3-D Video Animation
Crash tests
Forensic Lab Analysis
Friction & Energy Speed Computations
Photography
Reports
Trailer Underride
Vehicle Damage Inspection
Vehicle Dynamics



SPECIAL PROBLEMS IN TRAFFIC ACCIDENT RECONSTRUCTION

Institute of Police Technology and Management

Jacksonville, Florida

April

1994

Seminar Topics Include:

Aerial Crush Photography
Airbag Technology
AutoStats
Body Works Computer Program
Commercial Vehicle Paper Trail
Radial Tires
Restraint Systems
Total Station
Truck Rollovers
Truck Brake Failure
Underride Accidents
Windows Software



CRASH SEMINARS

ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Mundelein, Illinois

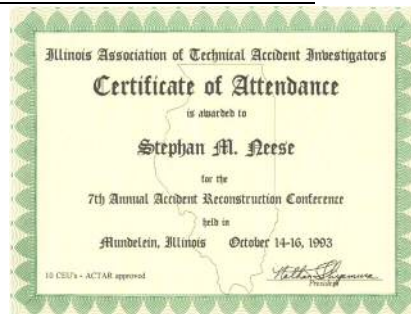
October 1993

Seminar Topics Include:

Crash Tests

Friction and Energy Methods

Mathematical and Vector Analysis



SPECIAL PROBLEMS IN TRAFFIC ACCIDENT RECONSTRUCTION

Institute of Police Technology and Management

Jacksonville, Florida

April 1993

Seminar Topics Include:

Accident Fraud

Airborne Accidents

Analyzing Nighttime Accidents

Computer Programs

Computerized Accident Drawing

Deceleration/ Accelerometers

Friction & Energy

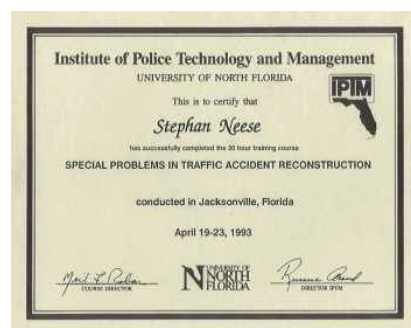
Lamps

Mechanical Vehicle Inspection

Occupant, Pedestrian Injuries

Rollovers

Truck-trailer Jack-knifing



ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Illinois State University

October 1992



MIDWEST ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

West Des Moines, Iowa

May

1992

Seminar Topics Include:

NTSB- Federal Motor Carrier Laws

Railroad Crossing Crash investigation

Occupant Restraints

Vehicle Dynamics

CRASH SEMINARS

ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Illinois State University

October 1991

Seminar Topics Include:

Articulated Vehicles
Bumper Standards
Crash Tests
Heavy Truck Deceleration Rates
Low Speed Impacts
The Expert's Role



INDIANA ASSOCIATION OF CERTIFIED ACCIDENT INVESTIGATORS

Indianapolis, Indiana

June 1991

Seminar Topics Include:

Anti-Locking Braking Systems

ILLINOIS ASSOCIATION OF TECHNICAL ACCIDENT INVESTIGATORS

Illinois State University

October 1990

Seminar Topics Include:

Anti-Locking Brake Systems
Articulated Vehicles
Basic Speed Formula
Crash Tests
Critical Speed Yaw Analysis
Injury Pattern
Pedestrian Investigations



INDIANA ASSOCIATION OF CERTIFIED ACCIDENT INVESTIGATORS

Indianapolis, Indiana

June 1990

Seminar Topics Include:

Mapping & Measuring

SPECIAL PROBLEMS IN TRAFFIC ACCIDENT RECONSTRUCTION

Institute of Police Technology and Management

Jacksonville, Florida

April 1990

Seminar Topics Include:

Hazardous Materials
Injury Patterns
Legal Issues
Motorcycle Dynamics
Motorcycle Stopping
Photogrammetry
Photography
Railroad Crossings
Tire & Pavement Frictions
Trailer Stability
Video Animation
Weight Shift



Statement of Policy

My goal is to provide you with a thorough and accurate account of how the accident happened. I will make every effort to find the evidence that will support your case. I realize that when you hire me, you are primarily interested in the results that best support you and/or your client's version. However, if the evidence does not support this view, I will rely on the evidence for my conclusion. It is my practice to provide you with all the information that supports your case, as well as any that may be detrimental.

A handwritten signature in black ink, reading "Stephen M. Nease". The signature is written in a cursive, flowing style with a long horizontal line extending from the end.