

Michael Greenfield
Crashteam VIRGINIA EAST

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Curriculum Vitae

QUALIFICATIONS

Qualified as an Expert in the area of Accident Reconstruction in the following courts: Maricopa County Superior Court, Pinal County Superior Court, Maricopa County Justice and City of Phoenix Municipal courts (1994 - Present)

Member of the Phoenix Police Department's Traffic Investigations Unit (1994 - 1999 / 2003 - 2004) Homicide Unit (2001-2003)

Arizona Law Enforcement Officer Advisory Council Certified Instructor (1990 - 2004)

Certified Instructor – Visual Statement CAD and Animation Software (2003 - Present)

Certified Instructor – Nikon Electronic Total Station (1998 – Present)

TECHNICAL TRAINING

*Australasian & South Pacific Association of Collision Investigators Conference
Electronic Stability Systems, Forensic Science Applications at Crash Scenes
Melbourne, Australia (October 2008)*

South Carolina Highway Safety Conference, Columbia, South Carolina (September 2008)

ARC-CSI Crash Investigation Conference, Las Vegas, Nevada (June 2008)

*IPTM Special Problems in Accident Investigation, University of North Florida IPTM,
Jacksonville, Florida (April 2008)*

Appropriate Applications of Momentum Analysis / Common Errors in Determining Post-Impact Trajectories / New Developments in Event Data Recorders / Investigation and Inspection of Vehicles in Rollover Collisions; Southwestern Association of Technical Accident Investigators; San Diego, California (November 2007)

*IPTM Special Problems in Accident Investigation, University of North Florida IPTM,
Jacksonville, Florida (April 2007)*

TAARS Combined Conference on Accident Reconstruction; Houston, Texas (2006)

Vista FX2 CAD Software Instructor Training; Kamloops, British Columbia (2006)

VistaFX2 CAD Software Instructor Training; Puerto Vallarta, Mexico (2006)

VistaFX CAD Software Instructor Training; Kamloops, British Columbia (2005)

VistaFX CAD Software, Animation; Puerto Vallarta, Mexico (2005)

Energy in Traffic-Crash Reconstruction / Reconstruction and Mathematical Analysis / Simultaneous Equations to Solve In-Line Collisions; Southwestern Association of Technical Accident Investigators; Las Vegas, Nevada (2004)

Vista CAD Software; Visual Statement INC; Phoenix, Arizona (2004)

Vista CAD Software; Visual Statement INC; Puerto Vallarta, Mexico (2004)

Nighttime Visibility / Visibility and the Investigator / Photogrammetry / Friction and Skid Testing; Southwestern Association of Technical Accident Investigators; San Diego, California (2003)

Pedestrian Dynamics in Reconstruction / Applications of Delta V / Pole Impacts; Southwestern Association of Technical Accident Investigators; Tucson, Arizona (2003)

Bicycle v. Vehicle Crash Testing / Bicycle Collision Investigation and Reconstruction / Instrumentation and Testing Results / Pedestrian Collision Reconstruction; Southwestern Association of Technical Accident Investigators; Laughlin, Nevada (2003)

Computer Applications in Heavy Truck Reconstruction / Heavy Truck Accelerations / Effects of Tire Disablements in Reconstruction / Reconstruction of Rollover Collisions / Accuracy of General Motors EDR's; Southwestern Association of Technical Accident Investigators; Las Vegas, Nevada (2003)

CrashZone/CrimeZone CAD Software; CADZone INC, Seattle, Washington (2002)

Vehicle Mechanical Evaluations in Reconstruction / Intelligent Transportation Systems / Work Zone Design / NHTSA Crash Test Data; Southwestern Association of Technical Accident Investigators; San Diego, California (2002)

Trajectory Drag Factors / Rollover Collision Dynamics / Human Factors in Accident Reconstruction; Southwestern Association of Technical Accident Investigators; Tucson, Arizona (2002)

Human Factors & Ergonomics in Accident Reconstruction / Dealing with Vehicle's in Transitional Yaws / Commercial Vehicle Brake Performance; Southwestern Association of Technical Accident Investigators; Las Vegas, Nevada (2002)

Crash Data Retrieval Systems / Supplemental Restraint Technology / Crush Stiffness Coefficients; Southwestern Association of Technical Accident Investigators; San Diego, California (2001)

Rollover Crash Dynamics / Biomechanics in Rollover Collisions / Crash Severity Analysis: BE V v. Delta V; Southwestern Association of Technical Accident Investigators;

Phoenix, Arizona (2001)

Advanced MapScenes CAD Software; MicroSurvey INC; Kelona, British Columbia (2001)

Crush & Energy Applications / Pole Collisions / Tire Design & Standards; Southwestern Association of Technical Accident Investigators; Las Vegas, Nevada (2001)

Texas A & M University WREX 2000 World Reconstruction Exposition, College Station, Texas (2000)

Biomechanics and Functional Anatomy / Modern Restraint Systems / No Math Reconstruction / Crash Dynamics; Southwestern Association of Technical Accident Investigators; New Port Beach, California (2000)

Critical Speed Testing Methods / Front and Side Impact Studies / Crash Data Retrieval Systems; Southwestern Association of Technical Accident Investigators; Phoenix, Arizona (2000)

Work Zone Accidents / Sudden Vehicle Acceleration / Friction Testing; Southwestern Association of Technical Accident Investigators; Laughlin, Nevada (2000)

MapScenes CAD Software; MicroSurvey INC, Kelona, British Columbia (1999)

Traffic Signal Systems / Low Speed Collisions / Pedestrian Accident Reconstruction / Accident Reconstruction - Same Game, Different Rules; Southwestern Association of Technical Accident Investigators; San Diego, California (1999)

Sleep Apnea and Driving / Anti-Lock Brake Systems / Truck Accident Investigations; Southwestern Association of Technical Accident Investigators; Phoenix, Arizona (1999)

Attitude, Perspective and Integrity in Accident Reconstruction / Linear Momentum: Facts and Myths; Southwestern Association of Technical Accident Investigators; Laughlin, Nevada (1999)

Certified as a Trainer for NIKON Electronic Total Stations by NIKON Management (1998)

Basic Computer-Aided Collision Diagramming using AUTOSKETCH. University of California at Riverside (1998)

Occupant Kinematics / Injury Patterns / Lamp Examination; Southwestern Association of Technical Accident Investigators; San Diego, California (1998)

Vehicle Aerodynamics / Motorcycle Collision Dynamics; Southwestern Association of Technical Accident Investigators; Phoenix, Arizona (1998)

Vehicle Crush Measurements / Bio-Mechanics / Insurance Fraud; Southwestern Association of Technical Accident Investigators; Laughlin, Nevada (1998)

Advanced Accident Reconstruction; Texas A & M University; Phoenix, Arizona (1997)

Photogrammetry in Accident Reconstruction / Crush Analysis; Southwestern Association of Technical Accident Investigators; Phoenix, Arizona (1997)

Pedestrian/Bicycle Accident Investigation; University of North Florida IPTM; Tempe, Arizona (1996)

Airbags & Restraint Systems / Low Speed Impacts / Motorcycle Reconstruction; Southwestern Association of Technical Accident Investigators; Phoenix, Arizona (1996)

Low Speed Impact Dynamics / Human Factors; Southwestern Association of Technical Accident Investigators; Las Vegas, Nevada (1996)

Computer Aided Accident Reconstruction/Restraint Systems/Perception of Headlamps: The Pedestrians Point of View; Southwestern Association of Technical Accident Investigators; San Diego, California (1995)

Low Speed Rear-end Collisions; Southwestern Association of Technical Accident Investigators; Phoenix, Arizona (1995)

Traffic Accident Reconstruction; University of North Florida IPTM; Tempe, Arizona (1995)

Vehicle Crush Profiles; Southwestern Association of Technical Accident Investigators; Phoenix, Arizona (1994)

Detective Certification School; Rio Salado Community College/Phoenix Regional Police Academy; Phoenix, Arizona (1994)

Momentum and Crash 3/Kinetic Energy and Speed Equivalent; Southwestern Association of Technical Accident Investigators; Reno, Nevada (1993)

Lamp Examinations and Commercial Vehicle Collisions; Southwestern Association of Technical Accident Investigators; Phoenix, Arizona (1993)

Accident Reconstruction II; Arizona Law Enforcement Advisory Council; Flagstaff, Arizona (1992)

Vehicle Safety Systems; Southwestern Association of Technical Accident Investigators; Las Vegas, Nevada (1992)

Low Speed Collision: Dynamics, Biomechanics and Insurance Fraud; Southwestern Association of Technical Accident Investigators; San Diego, California (1992)

Seat Belt Effectiveness and Occupant Kinematics; Southwestern Association of Technical Accident Investigators; Reno, Nevada (1991)

Arizona's Sixth Vehicular Homicide / DUI Conference Tucson, AZ 1991

Energy Analysis; Southwestern Association of Technical Accident Investigators; Phoenix,

Arizona (1991)

Driver Fatigue; Southwestern Association of Technical Accident Investigators; Phoenix, Arizona (1991)

Drug Evaluation and Classification Instructor Training; US Department of Transportation; Phoenix, Arizona (1991)

Perception/Reaction; Southwestern Association of Technical Accident Investigators; San Diego, California (1991)

Drug Evaluation and Classification Classroom Training; US Department of Transportation; Phoenix, Arizona (1990)

Preliminary Training in Drug Evaluation and Classification; US Department of Transportation; Scottsdale, Arizona (1990)

Vector Sum Analysis; Southwestern Association of Technical Accident Investigators; Las Vegas, Nevada (1990)

Introduction to Accident Reconstruction; Arizona Law Enforcement Advisory Council; Flagstaff, Arizona (1990)

Vehicle Dynamics; Northwestern University Traffic Institute; Phoenix, Arizona (1990)

General Instructor; Arizona Law Enforcement Advisory Council; Phoenix, Arizona (1990)

Motorcycle Dynamics; Southwestern Association of Technical Accident Investigators; Phoenix, Arizona (1989)

Seat Belt Dynamics; Southwestern Association of Technical Accident Investigators; Phoenix, Arizona (1989)

Vehicular Homicide/DUI Conference; Governor's Office of Highway Safety; Tucson, Arizona (1989)

Technical Accident Investigation; Arizona Law Enforcement Advisory Council; Tucson, Arizona (1987)

Tenth Vehicular Homicide-DUI Conference; Northwestern University; Chicago, Illinois (1987)

Advanced Traffic Accident Investigation; University of North Florida IPTM; Phoenix, Arizona (1985)

Technical Accident Investigation; Northwestern University; Phoenix, Arizona (1984)

Traffic Accident Investigation; Arizona Law Enforcement Advisory Council; Tucson, Arizona (1982)

Phoenix Police Regional Training Academy (1978)

INSTRUCTIONAL EXPERIENCE

*Director of Forensic Mapping Division, Lead Instructor
Visual Statement INC. (2004 – Present)*

*Applications for Crash Investigation and Reconstruction (October 2008 ASPACI
Conference Melbourne, Australia)*

Animation Lecture (October 2006 CAARS conference, Lake Tahoe, CA)

*Diagram and Animation using Vista FX2 software (November 2005 SATAI conference,
San Diego, Ca.)*

University of California at Riverside (2000 – 2004)

CadZone CrashZone software training classes (2002-2004)

MicroSurvey MapScenes software training classes (1999-2003)

*Arizona's Tenth DUI Conference for Judges; Governor's Office of Highway Safety;
Tucson, Arizona (1996)*

Accident Investigation; Phoenix Police Regional Training Academy (1994 - 1996)

PROFESSIONAL EXPERIENCE

2004 - Present

*Michael A. Greenfield Consulting. Traffic Accident Investigation and Reconstruction,
Forensic Mapping and Crime Scene Diagramming and Training.
Forensic Animation*

*Instructed Police and private Investigators in the use of Electronic Total Stations, CAD
drawing software, and Animation software.*

1978 - 2004 (Retired)

Phoenix Police Department

1994 - 2004: Investigator

1984 - 1994: Solo Motor Officer

1978 - 1984: Patrol Officer

1975 – 1978

*Maricopa County Sheriff's Office
Detention Officer*

1975 – 1977

Arizona Air National Guard

1974 - 1975

United States Naval Reserve

1970 – 1974

United States Navy

EDUCATION

Orange County Community College 1969-1970

Glendale Community College 1975-1977

Arizona State University 1977-1979

PROFESSIONAL AFFILIATIONS

Member and Past President of the Southwestern Association of Technical Accident Investigators

Member of the Professional Society of Forensic Mapping

Member of National Association of Professional Accident Reconstruction Specialists

Member of California Association of Accident Reconstruction Specialists

Member of Phoenix Law Enforcement Association

Member of Fraternal Order of Police

10/08