

SWOPE RECONSTRUCTION

Accident Reconstruction Services - DUI Consultants

Curriculum Vitae

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EDUCATIONAL BACKGROUND:

UNIVERSITY OF MIAMI - Miami, Florida
December, 1995
Masters in Technology/Engineering
MOT Program, School of Business and Engineering

ST. THOMAS UNIVERSITY-Miami, Florida
May, 1989
Bachelor of Arts in Criminal Justice.

NORTHWESTERN TRAFFIC INSTITUTE-Macomb County Community
College, Macomb, Michigan
Basic Accident Investigation
Techniques, Preparing, and Basic formulas of Accident Investigations.

INSTITUTE OF POLICE TECHNOLOGY AND MANAGEMENT, University of North Florida,
Jacksonville, Florida
Basic Accident Investigation On-scene Accident Investigation; Traffic Homicide Investigation; Basic Physics and Formulas in Accident Investigation; Interpretation of Roadway and Vehicle Physical Evidence; Measurements, Diagraming, and Field Sketches of the Accident Scene; Accident Investigator Techniques; Accident Photography.

Technical Accident Investigation
Advanced Traffic Homicide investigation; Advanced Formulas and Physical Evidence interpretation; Bulb Examination; Scale Diagraming; Tire Forensics; Time-distance Equations; Photogrammetry in using Perspective Graphics; Statement Taking, Diagraming of crush information.

Accident Reconstruction Specialist
Derivations of Speed Equations; Motorcycle Speed Estimates; Tire Forensics; Conservation of Linear Momentum Speed Estimates; Weight Shift Principles and Problems; Newton's Laws pertaining to collisions; Scale Drawings; Accident Photography; Seat Belts; Occupant Kinematics; Time-distance Equations; Physical Evidence Evaluation and Interpretation.

Investigation of Pedestrian Accidents and Human Factors
Car vs. Pedestrian Accidents; Throw Distance Formulas; Inspection of Vehicle: Path and Travel of Pedestrian; Reconstruction of Scene.

Radar Instructor
Use and Operation of Radar; Radar in Court and Case Law; Speed Estimates

UNIVERSITY OF NORTH FLORIDA - Jacksonville, Florida
Traffic Accident Photography
Camera and Video Use; Collision Scene Photograph; Flash and Lighting Conditions; Court Admissibility of Photographs.

Advanced Accident Reconstruction with Microcomputers Computer Use in Accident Reconstruction Analysis; SLAM, CARS, CRASH Programs; Conservation of Linear Momentum; Scale Diagramming.

Commercial Vehicle Accident Investigation Weight Shift Problems and Principles; Commercial Vehicle Inspection; Conservation of Linear Momentum; Trucking Laws and Requirements.

PROFESSIONAL EXPERIENCE:

Professional Traffic Accident Reconstructionist

Serving the law profession in civil and criminal proceedings since 1986.

Consultant to Municipalities

Investigating criminal collisions of a complex nature.

Consultant to Broward State Attorneys Office

Consultant to Insurance Companies

Reference opinions of technical nature.

Criminal cases and Civil proceedings for plaintiffs and defendants.

Consultant to Training and Design Companies

Offering technical input in training programs developed for law enforcement officers.

Expert in Drunk Driving cases

Involving standardized field sobriety tests and intoxilyzer 5000 and 5000R.

ACCIDENT RECONSTRUCTION- Detroit, Michigan

February, 1994. (3 day program)

PRACTICAL EXPERIENCE:

United States Army, Military Police

July 1974 to July 1977

Police Officer-City of Monroe Police Department

January 2, 1979 to August 24, 1984.

Assigned to the Road Patrol Division

Handled and investigated traffic accidents and traffic fatalities.

Deputy Sheriff-Broward County Sheriffs Office

August 27, 1984 to July 27, 1990

Assigned to the Traffic Homicide and DUI Unit.

- Accident Reconstruction Specialist, investigating, reviewing, and reconstructing numerous collisions of all types.

- Additional assignments included working part-time with the Sheriffs Office Training Division, with over 1,000 employees attending Defensive Driving instruction yearly.

TEACHING EXPERIENCE:

CRIMINAL JUSTICE INSTITUTE, Broward County Community College -

Davie, Florida

Driving Instructor

Vehicle Dynamics; Skid Control and Handling; Pursuit Driving; Backing Drills; Mechanics of Vehicle Inspections; Vehicle Use.

First Responder, CPR Instructor

Requirements of CPR by American Heart Institute; First on Scene Treatment; Practical Experience.

Instructor-Criminal Justice Institute of Broward County.

Accident investigation; DUI field sobriety testing; Defensive Driving - motor vehicle dynamics of skidding vehicles; First Responder and CPR; traffic direction and control, report writing.

Instructor-Palm Beach Criminal Justice Institute

Defensive Driving

Substitute Teacher-Broward County School Board.

Faculty Member/Instructor-Davis Training and Development.

On-scene Accident Investigation; Traffic Homicide Investigation; Advanced Accident Investigation; Selective Traffic Enforcement; Vehicle Testing Procedures; Inspection of Motor Vehicles; Traffic Homicide Reporting; Accident Photography; Measuring and Diagraming; Hit and Run Investigation Procedures; Bulb Examinations; Advanced Formulas; and Accident Reconstruction.

Adjunct Faculty Member-Southern Police Institute, Louisville, Kentucky

Adjunct Faculty Member-Institute of Police Technology & Management, Jacksonville, Florida

Instructor - Part-time Broward Community College Criminal Justice Institute, 1985 to present

VEHICLE CRASH TESTING-Broward County, Florida Vehicle Crash Analysis & Interpretation

"ANATOMY OF THE DEFENSE OF A DUI CASE" - Miami, Florida April 15, 1994

Formal Review Hearing and DUI Intoxilyzer 5000, Naples, Florida March 30, 1995

DUI Trial Tactics, Biloxi, Mississippi
April 28 & 29, 1995

Accident Reconstruction and DUI, Harvard Law School
July 20-22, 1995

SFST Course - Atlanta, Georgia
July 29 and July 30, 1994, Georgia Bar Lawyers

Trial Tactics in DUI Cases, Atlanta, Georgia
June 2, 1995

Standardized Field Sobriety Testing and Breathalyzer Testing, Atlanta, Georgia
August 18-20, 1995

DUI Trial Tactics, Miami, Florida
September 28, 1995

Advanced Trial Tactics Seminars, "Defending the Drinking Driver",
Chicago, November 3, 1995
San Francisco, November 10, 1995
Atlanta, Georgia, November 17, 1995
Orlando, Florida, December 1, 1995
Dallas, Texas, December 8, 1995

Field Sobriety Tests, Washington Foundation for Criminal Justice,
Seattle, Washington
February 23 - 25, 1996.

SEMINARS/WORKSHOPS ATTENDED:

BROWARD CRIMINAL JUSTICE INSTITUTE-Davie, Florida
Presented by Broward Sheriffs Office
Standardized Field Sobriety Testing
National Highway Traffic Safety
Standardized Testing - 21 hour course

BROWARD CRIMINAL JUSTICE INSTITUTE-Davie, Florida
Presented by Institute of Police Technology and Management,
Jacksonville, Florida Bicycle Law Enforcement Seminar Bicycles and Accident; the Bicycle Rider;
Reconstructing the Bicycle Accident.

Presented by Criminal Justice Institute-Davie, Florida Breathalyzer/Intoxilyzer Course Operation of
the Breathalyzer/ Intoxilyzer 5000; Extrapolation Attend yearly update as required by State of
Florida.

INSTITUTE OF POLICE TECHNOLOGY and MANAGEMENT- Jacksonville, Florida
Symposium on Alcohol and Drug Enforcement
Effects of Alcohol; Horizontal Gaze Nystagmus; Extrapolation; the Drunken Driver; Accident
Reconstruction Principles involving Intoxicated Drivers.

- Presented at Palm Beach County**
Investigation of Seat Belts and Child Restraint Systems
Operations of Seat Belts; the Child Restraint System(s); Reconstructing the Seat Belt Accident.
- Presented at Cape Kennedy, Florida**
Retraining Seminar for Traffic Accident Investigator
Conservation of Linear Momentum; Vectoring; Scale Diagraming; Advanced Formulas; Weight Shift.
- PEOPLES GAS SYSTEMS-Dade County, Florida**
Gas and Fire Emergency Training
Hazards of Chemical Accidents; Symbols on Vehicles.
- SAE CONFERENCE-Detroit, Michigan**
February 25-28, 1991
Braking & Anti-Lock Braking-Computer Reconstruction & Simulation Vehicle dynamics technology and animation
- ENGINEERING DYNAMICS-University of Miami, Miami, Florida**
November 1991
EDC Simulations
- SAE SEMINAR**
Planning and Development of the Saturn Automobile
- LARM CLASS-Pittsburgh, Pennsylvania**
November, 1993.
- SAE CONFERENCE-Detroit, Michigan**
February and March, 1994. Accident Reconstruction and Vehicle Dynamics
- STAPP - Carcrash Conference - Ft. Lauderdale, Florida**
October 31 - November 2, 1994.
- SFST & AT Course -Atlanta, Georgia**
August 18-20, 1995

PUBLICATIONS:

- SWOPE R.A.: Field Sobriety Test. Part I and II, DWI Journal Laboratory and Science, June, 1993, Volume 6 and August 1993, Volume 8.**
- SWOPE, R.A.: Driving Under the Influence of Alcohol: At the scene accident investigation; Advance Traffic Homicide; Accident Reconstruction. Broward Community College Criminal Justice Institute.**
- SWOPE, R.A.: Evaluating Accuracy of Roadside Sobriety Test, DWI Journal Law and Science, June, 1993.**
- SWOPE, R.A.: Intoxilyzer 5000 DWI Journal Law and Science, October, 1993**
- SWOPE, R.A.: Roadside Sobriety Test Part 2. DWI Journal Law and Science, June, 1993.**
- SWOPE, R.A.: Intoxilyzer 5000. DWI Journal Law and Science, October, 1995.**

MEMBERSHIPS/ASSOCIATIONS:

- Member of Maryland Association of Traffic Accident Investigators, Inc.**
- National Association of Traffic Accident Reconstructionists**
- Society of Automotive Engineers**
- FAA Society of Automotive Engineers**
- South Florida Investigators Association**
- Broward PBA**
- Member of Florida High School Activities Association**
Umpire-Baseball; Referee-Football

Certified PADI-Open Water Diver

National Association of Sports Officials

Member TIGHAR

Amateur Softball Association

**International Association for Management of Technology
(IAMOT)**

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