

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 Diagraming.

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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