



CRASH
DYNAMICS

Timothy C. Lovett

License A10079
Curriculum Vitae

College

South Plains Junior College, Levelland, Texas
Law Enforcement Major

Tarrant County College, Hurst, Texas
Law Enforcement Major

Career

1995-Present	Crash Dynamics
1982-2005	Hurst Police Department Positions within the department in Patrol, Investigations and Community Services

Academy

Regional Police Academy
Tarrant County Junior College, 1982

Education

Certified Breath Test Operator Regional Police Academy	40 hours 1985
Medical Conditions Affecting Driving Texas Department of Health & Medical Standards on Motor Vehicle Operation Division	8 hours 1986
Intermediate Accident Investigation Texas A&M University	40 hours 1986
Advanced Accident Investigation Texas A&M University	80 hours 1986
Accident Reconstruction Texas A&M University	80 hours 1987
Crime Scene Search Regional Police Academy	40 hours 1987
Basic Police Instructor Regional Police Academy	40 hours 1987
Death Investigation Bannon & Associates	24 hours 1988

Education cont'd

Basic Photography Dallas Sheriff's Academy	40 hours 1990
Low Speed Crash Tests, Human Factors and Biomechanics TAARS seminar Houston, Texas	24 hours 1992
Advanced Crime Scene Search Regional Police Academy	24 hours 1993
Advanced Accident Reconstruction Texas A&M University	40 hours 1994
Commercial Vehicle Inspections and Accident Reconstruction Texas A&M University	40 hours 1995
Pedestrian and Bicycle Accident Reconstruction Texas A&M University	40 hours 1996
Advanced Scene Investigation using Electronic Accident/Crime Scene Mapping Garland Police Academy	16 hours 1997
Forensic Mapping with CAD and Total Stations Texas A&M University	40 hours 1997
GM 2nd Generation Airbag & Seat Technology, Hydraulic Brake Components and Inspections TAARS seminar Houston, Texas	8 hours 1999
Collision Investigation and Reconstruction WREX 2000 seminar College Station, Texas	36 hours 2000
Work, Energy and Speed from Damage in Traffic Accidents Northwestern University Traffic Institute (hosted by Fort Worth Police Department)	40 hours 2001
Intoxication Manslaughter School Texas District and County Attorneys Asso.	40 hours 2001
Acceleration and Vericom Familiarization Irving, Texas	13 hours 2003
Accelerometers and other Sensors for Traffic Crash Investigations TAARS Fall Mini-Seminar	16 hours 2003
Intoxication Manslaughter Update Tarrant County District Attorney through Tarrant County College	4 hours 2004

Education cont'd

Special Problems in Accident Reconstruction Institute of Police Technology and Management University North Florida (Jacksonville, Florida)	40 hours 2005
Crash Data Retrieval User's Certification Irving Police Department Collision Safety Institute	24 hours 2005
Vista FX2 Trainer's Course - Visual Statement Kamloops, B.C., Canada	32 hours 2006
Vista FX3 Trainer's Course - Visual Statement Puerto Vallarta, Jalisco, Mexico	32 hours 2008
CDR Technician Update - Collision Safety Institute Fort Worth, Texas	8 hours 2008
CDR Analyst Update - Collision Safety Institute Fort Worth, Texas	32 hours 2008
Special Problems in Traffic Crash Reconstruction Commercial Motor Vehicle Foundation Brakes Damage Profile Analysis Institute of Police Technology and Management University North Florida Jacksonville, Florida (held in Orlando, Florida)	24 hours 8 hours 4 hours 2009
ARAS360 Trainer's Course Kamloops, B.C., Canada	32 hours 2010
ARC-CSI Crash Conference Las Vegas, Nevada <i>Topics included:</i> Vehicle Crash Testing, Perception/Reaction Studies, Compatibility of front mounted push bumpers and 'bull bars' with air bags, Applications of GPS data in collision reconstruction, Kinematics, Relationships of Momentum, PDOF, and Delta V, Auto/Pedestrian collision investigation	28 hours 2011
ARAS360 HD Advanced 3D Computer Diagramming and Animation for Incident Reconstruction Las Vegas, Nevada	24 hours 2012
SAE (Society of Automotive Engineers) Designing for humans training Denton, Texas	4 hours 2015
TABC seller training certification certificate expires 08/16/2017	2 hours 2015
Evaluation & Analysis of Traffic Signal Timing, Measurements & Analysis of Crush Damage, Use of UAVs for Scanning, Mapping and Aerial Photography, Crash Reconstruction Workshop and Review of Cases TAARS seminar Round Rock, Texas	24 hours 2015

Education cont'd

Witness Video Analysis	24 hours
Gyro Flight & Safety Analysis	2016
TAARS/SOAR Conference Round Rock, Texas	
Symposium on Traffic Safety	32 hours
<i>Topics included:</i> Using UAVs in Crash Investigation, Electronic Logging Devices, Using Drones and Photogrammetry in Public Safety Applications, Traffic Crash Reconstruction Exercises and Problem Solving, EDR Update 2017, Tire Forensics and Tire Investigation Data, EDR Case Study, GM Pedestrian Protection Systems with their EDRs	
Institute of Police Technology and Management	
University North Florida Jacksonville, Florida	
(held in Orlando, Florida)	2017
Classen-Buck Seminars, Inc.II	18 hours
Accident Investigation, Ethics, Rules & Regulations	
Y00101-SCHOOL; INSTR-846442	2017
TAARS/SOAR Conference	24 hours
CRUSH Measurement & Analysis for Accident Reconstruction	
Instructed by John Dailey	
Dallas, Texas	2017
Courtroom Testimony: "Keys to Credibility, Preparing to Persuade"	8 hours
Instructed by Richard Alpert	
Southlake, Texas	2018
Intoxication Manslaughter "Investigation the Crime Scene. The Crash and Beyond"	8 hours
Instructed by Richard Alpert	
Southlake, Texas	2018
EDR Summit: Collision Safety Institute	20 hours
Instructed by Rusty Haight	
Houston, Texas	2019
FARO Virtual Classroom training:	4 hours
Interface & Functions in FARO 3D software	
Utilizing FARO scanner 3D data in the courtroom	
Creation of courtroom deliverables within FARO Scene	
Instructed by Noreen Charlton, field applications engineer	2020
FARO Virtual Classroom training:	4 hours
Merging laser scan/drone point clouds to Cloud Compare software	
Instructed by Russell Boynton, field applications engineer	2020
Fire Investigations, Ethics & Rules and Regulations	18 hours
Classen Buck	2020

Education cont'd

Night Time Accidents/Applied Human Factor Concepts for Accident Reconstruction TAARS webinar	15 hours 2020
Pre-Employment Background Investigation, Ethics and Texas Rules & Regulations Classen-Buck Seminars (DPS School #Y00101)	18 hours 2021
Advanced HV EDR Systems for Accident Reconstruction TAARS seminar (DPS Approved School #Y04181901)	21 hours 2022
TX DPS Criminal Justice Practitioner Test Certification	2023
Criminal Justice Information Services Level 2 Security Awareness Certification	2023

Academic Appointments – Instructor Positions

1987-2008	Regional Police Academy Basic Accident Investigation (40 hour course)	Tarrant County College
1994-2009	Regional Police Academy Intermediate Accident Investigation (40 hour course)	Tarrant County College
1996-2009	Regional Police Academy Advanced Accident Investigation (80 hour course)	Tarrant County College
1996-2009	Regional Police Academy Collision Reconstruction (80 hour course)	Tarrant County College
1999-2009	Regional Police Academy Site Investigations & Forensic Mapping (40 hour course)	Tarrant County College
2000-Present	Texas District and County Attorneys' Association Intoxication Manslaughter (40 hour course)	
2005-Present	Texas District and County Attorneys' Association Investigators' School	
2000-2009	Regional Police Academy Basic & Advanced CAD Zone Mapping (40 hour course)	Tarrant County College

Academic Appointments – Instructor Positions cont'd

2005-2008	Regional Police Academy Accident reconstruction Software training REC-TEC LEO	Tarrant County College
2005-Present	Crash Dynamics Commercial Motor Vehicle Accident Investigation (40 hour course)	
2005-Present	Crash Dynamics CRUSH, Energy Application in Collision Investigations & Analysis from Damage (40 hour course)	
2009-Present	Crash Dynamics Bicycle/Pedestrian Collision Reconstruction (40 hour course)	
2009-Present	Crash Dynamics RECONstruction Update (40 hour course)	
2009-Present	Crash Dynamics Motorcycle Collision Reconstruction (40 hour course)	
2009-Present	Crash Dynamics Collision RECONstruction (80 hour course)	
2010-Present	Crash Dynamics Advanced Collision Investigation (80 hour course)	
2011-Present	Crash Dynamics Complex Collision RECONstruction (40 hour course)	
2015-Present	Crash Dynamics REC-TEC Training (40 hour course)	

Professional Organizations

Texas Association of Accident Reconstruction Specialists (T.A.A.R.S.)
Texas Association of Accident Reconstruction Specialists - Treasurer 1999 - 2002
National Association of Professional Accident Reconstruction Specialists (N.A.P.A.R.S.)
International Network of Collision Reconstructionists (INCR)
Homicide Investigators of Texas (H.I.T)
Society of Automotive Engineers (SAE)

Affiliations

Tim Lovett is listed as a trainer for REC-TEC accident reconstruction software as well as a certified instructor for CAD Zone's Crash and Crime scene drawing software.

Tim Lovett has taught nation-wide for Visual Statement, a firm that specializes in collision diagramming, reconstruction, animation and simulation software.

Tim Lovett is a Senior Accident Reconstructionist with ARAS360. This international company offers sales, training, and support for a newly developed CAD product that utilizes satellite imaging for creating 3D diagramming and simulations. Lovett teaches this CAD program in the southwestern United States.

Tim Lovett is certified as a Senior Police Training Associate with International Police Training And Consulting Services. This company's primary focus addresses the significant shortcomings police advisors experience in providing sustainable law enforcement training to developing countries and new democracies throughout the world. Lovett has been selected as an IPTACS trainer based on his expertise in crime and collision scene investigation.

Writings

Intoxication Manslaughter Investigation and Prosecution by Richard Alpert,

Published by Texas District and County Attorney's Association in 2006; 2nd edition 2009; 3rd edition 2014; 4th edition 2020 revised by W. Clay Abbott

Mr. Lovett wrote Chapter Two – Collision Reconstruction

References and contracts upon request

Contact

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