

MICHAEL A. MIRANDA
CURRICULUM VITAE

EDUCATION

- University of Southern Colorado 1976 to 1978
Studied Chemistry
Pueblo, Colorado
- Colorado State Patrol Basic Academy 1979
Golden, Colorado
- Pikes Peak Community College 1999
AAS Criminal Justice
Colorado Springs, Colorado

PROFESSIONAL EXPERIENCE

- Mj Traffic Accident Reconstruction, LLC 2008 to present
Owner/Accident Reconstructionist/Expert Witness
- National Safety Council (Southeastern Chapter) 2022 to 2023
Alive @ 25 Instructor
- National Safety Council (Northern New England Chapter) 2018 to 2021
Alive @ 25 Instructor
- Office of the District Attorney 2008 to 2009
Fourth Judicial District and
Criminal Investigator 2010 to 2011
Vehicular Homicide / Vehicular Assault Response Team
Grand Jury Investigator
- Colorado State Patrol 1979 to 2008
Trooper/Accident Reconstructionist/ART member
- United States Naval Reserve 1995 to 1999
Master-at-Arms (MA2)
Petty Officer Second Class (PO2)
Command Investigator and Instructor
- Pikes Peak Community College 2004 to 2007
Law Enforcement Training Academy
Colorado Springs, Colorado
Basic Academy Instructor:
Accident Investigation
- Colorado State Patrol Academy 1995 to 2001
Golden, Colorado
Basic Academy Evaluator
Accident Investigation
Auto-Pedestrian Instructor for Level III courses

- Colorado Sheriff's Training Academy
 Highlands Ranch, Colorado
 Instructor:
 Accident Investigation
 Motor Vehicle Law
 DUI Enforcement
 1997 to 1998

- City College of Colorado Springs
 Colorado Springs, Colorado
 Instructor:
 Accident Investigation
 Motor Vehicle Law
 DUI Enforcement
 1995 to 1997

- Trinidad State Junior College
 Colorado Law Enforcement Basic Training Academy
 Trinidad, Colorado
 Instructor:
 Accident Investigation
 Motor Vehicle Law
 DUI Enforcement
 1984 to 1990

- Colorado Mountain College
 Colorado Law Enforcement Basic Training Academy
 Glenwood Springs, Colorado
 Instructor:
 Accident Investigation
 Motor Vehicle Law
 DUI Enforcement
 1987 to 1989

PRESENTATIONS

- World Reconstruction Exposition (WREX)
 Presentation and Support Staff Member
 2023

- Professional Private Investigators Association of Colorado
 Basic Accident Photography Techniques
 2021

- Maine Licensed Private Investigator's Association (MLPIA)
 Accident Investigations for Private Investigators
 2019

- Accident Investigations for Private Investigators & Attorneys
 Instructor
 2017

- Rocky Mountain Private Investigators Conference
 Guest Speaker
 Basic Accident Investigations for Private Investigators
 2014

- 4th Judicial District Mock Trial
 Accident Reconstruction Guest Speaker
 2014

- Professional Private Investigators Association of Colorado Conference
 Accident Reconstruction Guest Speaker
 2012 & 2014

- Accident Investigation for Attorneys
 Continental Divide Bar Association ~ Guest Speaker
 2012

- Various State Law Enforcement Academies and Departments
Guest Speaker and Instructor 1979 to 2008
- El Paso County Medical Society
Child Death Review Board
Guest Speaker 2000
- University of Colorado at Colorado Springs
Forensic Anthropology Department
Forensic Sciences Guest Speaker 2001 to 2002
- El Paso County District Attorney's Office
Accident Investigation for the Prosecuting Attorney 2009
- Regis University-Colorado Springs, Colorado
Guest Speaker – Accident Investigation / Criminal Investigations 2009
- Accident Investigation for Attorneys
Jefferson County Office of the Public Defender 2010
- El Paso County District Attorney's Office
Accident Investigation for the Prosecuting Attorney 2008 & 2011

TRAINING

- Level I On-Scene Accident Course
Colorado State Patrol Academy 1979
- DUI Enforcement Training
Colorado Division of Highway Safety 1980
- Advanced DUI Enforcement Training
Colorado Division of Highway Safety 1980
- Level II Accident Investigation Course (NUTI)
Colorado State Patrol Academy 1981
- Technical Truck Accident Investigation (RMITS)
Colorado State Patrol Academy 1985
- Horizontal Gaze Nystagmus (HGN)
DUI Enforcement Course
Colorado Division of Highway Safety 1985
- Instructor Alcohol Testing Procedures
Intoxilyzer Model 5000
Colorado Department of Health 1987
- Level III Accident Reconstruction Course (IPTM)
Colorado State Patrol Academy 1988
- Motorcycle Accident Reconstruction (RMITS)
Colorado State Patrol Academy 1990
- Level IV Computer-Aided Accident Reconstruction
Colorado State Patrol Academy 1994
- Vehicle Occupant Kinematics (Co-Instructor)
Colorado Springs, CO 1998

- Level IV Computer-Aided Computer Program Up-Date
Colorado State Patrol Academy 2000
- Laser Measuring Device and Mapping (LTI)
Colorado State Patrol Academy 2000
- Motorcycle Dynamics (Kawasaki Corporation)
Colorado State Patrol Academy 2000
- SOKKIA Basics of the Total Station (SOKKIA)
Colorado Springs, Colorado 2000
- Blood Stain Interpretation
Pueblo Police Department 2001
- Event Data Recorder Orientation (EDR)
C.S.P. and CalSPAN / NHTSA
Golden, Colorado 2001
- Colorado State Patrol Accident Reconstruction Team
(A.R.T.) In-Service
Golden, Colorado 2001
- Railroad Crossing Collision Investigation (BNSF RR)
Colorado Springs, Colorado 2001
- Introduction to Instruction
Colorado State Patrol Academy
Golden, Colorado 2002
- Vehicle Occupant Kinematics (Instructor)
Colorado State Patrol District II Technical Accident Investigation Team
Colorado State Patrol Accident Reconstruction Team 2002
- CSP Tire Analysis
Colorado State Patrol Academy and Society of Automotive Engineers 2003
- Operator Trainer Intoxilyzer Model 5000EN
Colorado Department of Public Health and Environment 2004
- Interview and Interrogation Techniques
Midwest Counterdrug Training Center 2005
- Technological Applications of 360-degree Momentum
In Collision Reconstruction
Colorado State Patrol and Department of Justice National
Law Enforcement and Corrections Training Center (NLECT) 2005
- Drugs That Impair Driving Course
Colorado Department of Transportation Safety and Engineering Branch 2006
- Applied Physics for Accident Reconstruction
Colorado State Patrol Academy 2007
- NHTSA Standard Field Sobriety Testing (SFST)
Re-Certification Course
Traffic Forensic, LLC. 2009
- Vehicle versus Pedestrian Traffic Crash Investigation (Instructor)
Fountain Police Department 2010

- Stalking and the Use of Technology 2011
Colorado District Attorney's Counsel- EVAW
- Basic & Advanced Identity Theft Investigation 2011
Central Mountain Training Foundation
- 10-Print Examiner Training Course 2011
4th Judicial District Attorney's Office
- ARAS360 HD Animation 2014
ARAS360/Colorado Springs, Colorado
- Crash Data Retrieval Technician Level I & II 2014
Collision Safety Institute
Parker, Colorado
- Basic Death Investigation 2015
University of North Dakota
- Motorcycle Accident Reconstruction 2015
Accident Investigation and Reconstruction Specialists, Inc. (AIRS)
Boulder, CO
- Crush Measurement and Analysis for Accident Reconstruction 2017
Texas Association of Accident Reconstruction Specialists (TAARS)
Dallas, Texas
- Traffic Collision Technology Webinar 2018
Laser Technology, Inc.
- The Dos and Don'ts of Mapping: Time & Life Saving Tips Webinar 2019
Laser Technology, Inc.
- Drone Mapping: Ground and Aerial Measurements Webinar 2019
Laser Technology, Inc.
- Diagramming 101: FaroZone and IMS Map 360 Webinar 2019
Laser Technology, Inc
- Human Factors in Transportation Safety 2019
Rimkus Consulting Group, Inc.
- Bicycle Accident Reconstruction 2019
Rimkus Consulting Group, Inc.
- Human Biomechanics in Low-Speed Collisions 2019
Rimkus Consulting Group, Inc.
- Response and Understanding a Death Scene 2020
Death Investigation Training Academy
- Human Factors Series 2020
Crash Safety Solutions, LLC.
- Biomechanical Analysis of Head Injuries from Vehicle Accidents 2021
Rimkus Consulting Group, Inc.
- Accident Reconstruction Technology: Commercial Vehicle 2021
Rimkus Consulting Group, Inc.

- Accident Reconstruction Digital Summit
Society of Automotive Engineers (SAE) 2022
- Driver Distraction from Cell Phones
Rimkus Consulting Group, Inc. 2022
- Traffic Crash Investigations and Reconstruction Resources
National Association of Professional Accident Reconstruction Specialists (NAPARS) 2022
- Momentum Refresher
National Association of Professional Accident Reconstruction Specialists (NAPARS) 2022
- Spin Analysis
National Association of Professional Accident Reconstruction Specialists (NAPARS) 2022
- Crash Reconstruction Equations and Derivations
National Association of Professional Accident Reconstruction Specialists (NAPARS) 2022
- The EDR and the Trailer Hitch
National Association of Professional Accident Reconstruction Specialists (NAPARS) 2023
- Accident Reconstruction Digital Summit
Society of Automotive Engineers (SAE) 2023
- Human Factors in Crash Reconstruction
National Association of Professional Accident Reconstruction Specialists (NAPARS) 2023
- Introduction to Video Analysis for Crash Reconstruction
National Association of Professional Accident Reconstruction Specialists (NAPARS) 2023
- Micro-Mobility Accident Investigation and Reconstruction
Rimkus Consulting Group 2023
- Analyzing Damage and EDR Data
Rimkus Consulting Group 2023
- A.D.A.S. and Accident Reconstruction
National Association of Professional Accident Reconstruction Specialists (NAPARS) 2023
- Monte Carlo & Excel
National Association of Professional Accident Reconstruction Specialists (NAPARS) 2023
- A Systematic Approach to Nighttime Crash Scene Investigations
National Association of Professional Accident Reconstruction Specialists (NAPARS) 2024
- Accident Reconstruction Digital Summit
Society of Automotive Engineers (SAE) 2024
- Critical Speed Yaw Analysis
National Association of Professional Accident Reconstruction Specialists (NAPARS) 2024
- ATV Crash Analysis
National Association of Professional Accident Reconstruction Specialists (NAPARS) 2024

TECHNICAL CONFERENCE AND SEMINARS /RESEARCH

- World Reconstruction Exposition (WREX 2023) 2023
Orlando, Florida
- Accident Reconstruction Digital Summit 2022
SAE International
- Florida Association of Private Investigators, Inc. 2021
Virtual Conference
- Texas Association of Accident Reconstruction Specialists (TAARS) 2020
Virtual Conference
- National Association of Professional Accident Reconstruction Specialists (NAPARS)
Virtual Conference 2020
- 68th Maine Transportation Conference 2018
Maine Better Transportation Association
Augusta, Maine
- New York Statewide Traffic Accident Reconstruction Society (NYSTARS) 2018
Joint Conference: Pedestrian Collision Reconstruction
Lake George, New York
- Rocky Mountain Private Investigators Conference 2014
Professional Private Investigators Association of Colorado (PPIAC)
Black Hawk, Colorado
- Special Problems in Traffic Crash Reconstruction 2014
IPTM/University of Northern Florida
St. Pete Beach, Florida
- ARC-CSI Crash Conference 2010
Las Vegas, Nevada
- University of Colorado at Colorado Springs 2001
Symposium in Forensic Sciences
Speaker – Forensic Science in Traffic Accident Investigations
- University of Colorado at Colorado Springs 2001
Symposium in Forensic Sciences
- Rocky Mountain Crash / DUI Conference (CSU / RMITS) 2001
Denver, Colorado
- Forensics Seminar (UCCS) 2000
Colorado Springs, Colorado
- World Accident Reconstruction Exposition (WREX 2000) 2000
Texas A & M
College Station, Texas
- Bus Systems and Failure Analysis 2000
National Transportation Safety Board and
Colorado State Patrol Accident Reconstruction Team
- Motor Vehicle Crash Reconstruction Conference (CSU / RMITS) 2000
Denver, Colorado
- Auto / Pedestrian Accident Research 2000
On-going

- Vehicular Homicide / DUI Conference (NUTI)
Chicago, Illinois 1999
- Staged Accident and Insurance Fraud (NICB)
Colorado State Patrol District 2 Technical Accident Investigation Team 1998
- Auto / Pedestrian Accident Testing
Colorado State Patrol District 2 Technical Accident Investigation Team 1998
- VC – 2000 Performance Computer Skid Testing Evaluations
Colorado State Patrol District 2 Technical Accident Investigation Team 1991
- Vehicle Lamp Examination and Testing
Colorado State Patrol District 2 Technical Accident Investigation Team 1986
- Special Vehicle Skid Test and Drag Factor Conversion Factors
Colorado State Patrol District 2 Technical Accident Investigation Team 1983

CURRENT CERTIFICATIONS AND PROFESSIONAL AFFILIATIONS

- ACTAR Accredited # 1084
- National Association of Professional Accident Reconstruction
Specialists (NAPARS # 32171)
- Society of Accident Reconstructionist (S.O.A.R.)
Reconstructionist Affiliation
ACTAR BOD Alternate
- International Network of Collision Reconstructionist (INCR)
- South Carolina Accident Reconstruction Specialists (SCARS)
- Peace Officers Standards of Training (P.O.S.T.)
Instructor Certification # 086014

PAST CERTIFICATIONS AND PROFESSIONAL AFFILIATIONS

- National Association of Traffic Accident Reconstructionist and Investigators (NATARI # 645)
- Licensed Colorado Private Investigator
(Colorado License #: PI2-0091)
- Licensed Private Investigator
(Colorado License #: PI-519 ~ voluntary licensure)
(New Mexico License #: 44073)
- Professional Private Investigators Association of Colorado (PPIAC)
Senior Member: #1206
Board Member (2014 – 2016)
- National Council of Investigation and Security Services (NCISS)
- Traffic Accident Death Scene Investigator
Colorado Coroner's Association

- Colorado Coroner’s Association
Associate Member
- Colorado State Patrol Accident Investigation Core
Committee Core
- Colorado State Patrol District 2 Technical Accident Investigation Team

EXPERT TESTIMONY AND ADVISORY WITNESS

- Advisory and expert witness to the District Attorney’s Office in the following Colorado jurisdictions:
 - 4th, 6th, 11th and 16th Judicial Districts
- Testified as an expert in the field of Accident Reconstruction in the following jurisdictions:
 - U.S. District Court
 - U.S. Military Court
 - 1st, 2nd, 4th, 5th, 6th, 8th, 9th, 10th, 11th, 16th, 17th, 18th, 19th, and 20th Judicial Districts
 - Valencia County, New Mexico
 - El Paso County, El Paso Texas
- Assisted as an Accident Reconstructionist and advisor to numerous agencies to include:
 - United States Army
 - United States Air Force
 - United States Navy
 - Local Law Enforcement Agencies

AWARDS AND COMMENDATIONS

- Colorado Springs Police Department Commander’s Commendation 2011
- Colorado State Patrol Official Commendation 2008
- Colorado State Patrol Official Commendation 2000
- Colorado State Patrol Official Commendation 1998
- Colorado State Patrol Certificate of Merit 1997
- State of Colorado Governor’s Office
“Local Hero” Award for DUI Enforcement and Education 1997
- Numerous Colorado State Patrol Letters of Commendation

PROFESSIONAL PUBLICATIONS

- Accident Investigations for Private Investigators & Attorneys (2017). Publisher: Author.
- Miranda, M. (2017). Traffic Accident Investigations. [Blog] *PI Now Investigator Center*. Available at <https://www.pinow.com/articles/2348/traffic-accident-investigations> [Accessed 21 Aug. 2017].

- Miranda, M. (2017). Accident Investigations: Vehicle Lamp Examinations. [Blog] *PI Now Investigator Center*. Available at <https://www.pinow.com/articles/2349/accident-investigations-vehicle-lamp-examinations> [Accessed 18 Sept. 2017].
- Miranda, M. (2017). Accident Investigations: Tire Marks & Their Role in Accident Reconstruction Investigations. [Blog] *PI Now Investigator Center*. Available at https://www.pinow.com/articles/2399/tire-marks-their-role-in-accident-reconstruction-investigations?signup_code=roundup&mc_cid=e529a3b386&mc_eid=26530cbfa7 [Accessed 8 January 2018]
- Miranda, M. (2018). Accident Investigations: Determining Speed Using Drag Factors [Blog] *PI Now Investigator Center*. Available at https://www.pinow.com/articles/2484/accident-investigations-determining-speed-using-drag?signup_code=roundup [Accessed 6 August 2018]
- Miranda, M. (2018) Factors in Traffic Accident Investigations. [Blog] *PI Now Investigator Center*, Available at https://www.pinow.com/articles/2516/factors-in-traffic-accident-investigations?signup_code=roundup&mc_cid=8ec5a20a32&mc_eid=26530cbfa7 {Accessed 31 October 2018}
- Miranda, M. (2020) On Scene Photography for a Traffic Accident [Blog] *PI Now Investigator Center*, Available at https://www.pinow.com/articles/2928/on-scene-photography-for-a-traffic-accident?signup_code=roundup&mc_cid=36c3c81f55&mc_eid=26530cbfa7

MEDIA PRESENTATIONS

- Miranda, Michael (2019). Interviewed by Ashley Garcia. ATTORNEY AT LAW MAGAZINE. DENVER EDITION. <https://attorneyatlawmagazine.com/mike-miranda-mj-investigations>. 04/15/2019
- Miranda, Michael (2018). Interviewed by Francie Koehler. PI's Declassified. VOICE AMERICA TALK RADIO NETWORK. Internet Radio. <https://www.voiceamerica.com/episode/105962/pis-declassified-031518>
- Miranda, Michael (2017). Interviewed by Susanna Speier, Denver Private Investigator Blogger. ROSS INVESTIGATORS PC, INC. (<http://www.milehi-pi.com/blog/accident-reconstruction-colorado>) Accident investigation intensive for Colorado private investigators and attorneys. 3/5/2017

VOLUNTEER SERVICE

- ACTAR Board of Directors
SOAR Alternate
- Parents of Murdered Children (POMC), Second Opinion Service (SOS) Investigator (2016 to present)
- Technical Advisor, ABC News 20/20 (2019 to present)

- Maine Department of Public Safety (2019 to 2021)
Bureau of Highway Safety
Teen Driver Safety Task Force
- National Safety Council (2018 to 2021)
Surviving an Active Shooter Instructor
- Drive Smart Colorado
Steering Committee Board Member
Guest Speaker
- SafeKids Coalition
Board Member
Guest Speaker
- Region IV Pre-Hospital Care Committee
Committee Member