Ricardo Mejia, B.S., E.I.T.
Senior Forensic Scientist

CREDENTIALS AND AFFILIATIONS

B.S.	Civil Engineering, UCLA, 1999
E.I.T.	Certification (#XE104669), 1998
Accreditation	Accreditation Commission for Traffic Accident Reconstruction (#2196), 2011

CERTIFICATES

Certificate	Advanced EDR Data Analysis, 2024
Certificate	Crash Data Retrieval (CDR) Data Analyst Course, 2011 & 2017
Certificate	Crash Data Retrieval (CDR) Technician Level 1 & II Courses, 2011 & 2016

CONFERENCES AND TRAININGS

Conference	SATAI March Conference, 2023
Conference	NAPARS Virtual Joint Conference, 2020
Conference	SATAI Summer Conference, 2017
Conference	SATAI Fall Conference, 2016
Conference	SATAI Spring Conference, 2016
Conference	SATAI Spring Conference, 2015
Conference	SATAI Fall Conference, 2013
Conference	SATAI Spring Conference, 2013
Conference	SATAI Fall Conference, 2012
Conference	SATAI Spring Conference, 2012
Conference	SATAI Fall Conference, 2011
Conference	SATAI Summer Conference, 2006
Training	Human Factors in Crash Reconstruction - CAARS, 2024
Training	Photogrammetric Processing of Officer Worn Body Camera Footage - CAARS, 2024
Training	Collision Computer Simulation Comparison - CAARS, 2024
Training	Using Point Clouds in Collision Reconstruction - Crush from Photos - Lightpoint Scientific, 2023
Training	Event Data Recorder Update – An Ignition Cycle Discussion - NAPARS, 2023
Training	Human Factors in Accident Reconstruction - NAPARS, 2023
Training	sUAS (Small Unmanned Aircraft System) and Photogrammetry for Crash Reconstruction - NAPARS, 2023
Training	Event Data Recorder Update - NAPARS, 2023
Training	What is PRT and how to apply it to rear-end crashes? - CAARS, 2023
Training	Understanding and Using Ignition Cycles in your Investigations - CAARS, 2022
Training	Using activity app GPS data in accident reconstruction - CAARS, 2022
Training	Case Studies and Research on Pedal Misapplication - CAARS, 2022
Training	A Case Study - Utilizing a single photo to reconstruct a crash sequence - CAARS, 2021
Training	Night Accident Scene Reconstruction using sUAS - CAARS, 2021
Training	Pavement Edge Drop-off - IPTM, 2021
Training	An Overview of Collision reconstruction/investigation using Crash Data Retrieval event data - CAARS, 2020
Training	Forensic Photography and Video for the Accident Reconstruction Specialist - CAARS, 2020
Training	Video Analysis in Collision Investigations - CAARS, 2019
Training	1st quarter training - Damage Energy Methods - CAARS, 2016
Training	FARO Laser Scanner and Scene Training - FARO Tech, 2015

MEMBERSHIPS

Southwestern Associate of Traffic Accident Investigators (SATAI)
California Association of Accident Reconstruction Specialists (CAARS)
National Association of Professional Reconstruction Specialists (NAPRS)

TEACHING
2010- current   Institute of Risk and Safety Analyses; Trained all new incoming engineers on new case procedures, reconstruction, human factors and biomechanical analyses, full cycle case management/examination. Served as a consultant with all IRSA engineers on their individual cases to offer expert advice and counter analyses.

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ACCIDENT RECONSTRUCTION, HUMAN FACTORS, PREMISES LIABILITY, INDUSTRIAL ACCIDENTS AND COMPUTER ANIMATION/SIMULATION & DRAFTING EXPERT

Mr. Mejia is a highly experienced Senior Forensic Scientist with over 20 years of expertise in accident reconstruction and risk safety analysis. Throughout his career at the Institute of Risk and Safety Analyses, he has managed a diverse caseload of over 3,000 forensic investigations, covering a wide range of incidents, including automotive, bicycle, pedestrian, slip-and-fall accidents, and building & safety code violations. His expertise in accident reconstruction allows him to assess alternative designs, safety practices, and procedures, ensuring accurate post-accident evaluations.

Mr. Mejia is renowned for his comprehensive knowledge and ability to apply scientific principles to determine causality, improve safety standards, and provide expert testimony. His extensive experience makes him a trusted authority in the field of forensic investigations and risk analyses. Mr. Mejia is a highly skilled Civil Engineer with a degree from UCLA, specializing in accident reconstruction, biomechanics, human factors, crime scene reconstruction, and industrial/occupational accidents. With a strong foundation in physics, traffic design, materials science, and engineering, he brings a meticulous approach to forensic analyses.

Mr. Mejia is adept at creating computer simulations and CAD diagrams to illustrate complex accident reconstructions. He excels in using engineering calculations to analyze traffic accidents, determining critical metrics such as Angles of Impact, Crush Depths, Delta-V, G-Forces, and Speeds of Impact. In premises liability and industrial accident cases, he leverages his expertise in the UBC, ANSI standards, and OSHA regulations to assess and determine liability. His comprehensive approach combines engineering principles with cutting-edge simulation technology, making him a trusted expert in both transportation and industrial accident investigations.