



CURRICULUM VITAE

Marco Cheraso, PE, ACTAR, CXLT

Mechanical Engineer

EDUCATION

Bachelor of Science in
Mechanical Engineering,
Florida Atlantic University

REGISTRATIONS

Professional Engineer
(PE) #94389 (Florida)

Accredited Traffic Accident
Reconstructionist
(ACTAR) #3836

Advanced Maintenance of Traffic
(MOT) #610347

Certified English XL Tribometrist
(CXLT) #2110832

Remote Pilot
(sUAS) #4578833

EXPERIENCE

Forensic Engineer,
Kimley-Horn and Associates, Inc.,
West Palm Beach, FL
2018 – Present

Project Engineer,
Bosch/FHP Manufacturing,
Pompano Beach, FL
2017 –2018

Mechanical Design,
Belcan Engineering Group,
West Palm Beach, FL
2013 –2017

AFFILIATIONS

Society of Automotive Engineers
(SAE)

National Association of
Professional Accident
Reconstruction Specialists
(NAPARS)

ASTM International
(ASTM)

SUMMARY

Mr. Cheraso is a graduate of Florida Atlantic University, a fully Accredited Traffic Accident Reconstructionist, a certified XL Tribometrist, and a Professional Engineer. He specializes in automotive accident reconstructions, component failure investigations, and trip/slip and fall incidents. Mr. Cheraso has vehicle racing experience and was qualified to lead the Formula SAE race team. As an engineer, he applies the principles of physics, material science, human factors, manufacturing, testing, and safety to forensic evaluations. With a background in component design and fabrication, as well as testing of prototype vehicles, Mr. Cheraso has a unique insight into vehicle dynamics, specialized testing, data analysis, component failure and manufacturing defects.

PROFESSIONAL EXPERIENCE*Forensic Engineer*

- Provide forensic engineering services related to automotive accident reconstructions; passenger vehicles and commercial truck, off-highway and construction vehicles, pedestrian and bicycle incidents, etc.
- Premise liability incidents (slip/trip and fall, COF testing, ADA compliance)
- Hands-on inspection, documentation, or testing of evidence
- Evaluating the human elements of an incident (sight-line analysis, night-time visibility, perception and response)

SPECIAL QUALIFICATIONS

- Event Data Recorder (EDR / Black Box) data extraction and analysis
- Evaluate automotive systems for functionality or deficiency
- Specialized testing design, implementation, and analysis (Friction measurement, Equipment operation / failure, Acceleration and Force measurements)

PROFESSIONAL DEVELOPMENT

- Traffic Crash Reconstruction 1 & 2, Northwestern Center for Public Safety, 2019
- Maintenance of Traffic, Advanced level, Palm Beach Safety Council, 2023
- Point Clouds in Collision Reconstruction: Speed from Video and Crush from Photos, Lightpoint Scientific, 2021
- Applying Automotive EDR Data to Traffic Crash Recon., Rick Ruth, SAE, 2022
- Video Analysis in Accident Reconstruction, Ben Molnar, WREX 2023
- Analysis of Sideswipes and Glancing impacts, Judson Welcher, WREX 2023
- Methods for Establishing Motorcycle Impact Speed, Louis Peck, WREX 2023
- Retroreflective Material Analysis, Jeff Suway, WREX 2023
- Nighttime Recognition and Visibility, Swaroop Dinakar, WREX 2023
- Fundamentals of Vehicle Dynamics, Thomas D. Gillespie, SAE, 2023
- 2023 Advanced Florida Building Code 8th edition, John Southard, 2024
- Driver distraction from electronic devices, Jeffrey Hickman, SAE, 2025
- Response User Forum, Muttart, Dinakar, Malony, Driver Research Institute, 2025
- Heavy Vehicle EDR Technician and Analyst, Loftis, Anderson, FTG, 2025
- Introduction to Brake Control Systems: ABS, TCS, and ESC, Walker, SAE, 2026
- The Fundamentals of Automotive All-Wheel Drive Systems, Palazzolo, SAE, 2026