

EDUCATION

Bachelor of Mechanical
Engineering, Florida
Atlantic University

REGISTRATIONS

Professional Engineer
in FL, #94389

Accredited Traffic Accident
Reconstructionist
(ACTAR), #42232

Advanced MOT(TTC)
Certified, FDOT, #610347

Certified English XL
Tribometrist, #2110832

Remote Pilot (sUAS), #4578833

CERTIFICATIONS

Certified Accident Investigator

AFFILIATIONS

Member, Society of
Automotive Engineers (SAE)

Member, National
Association of Professional
Accident Reconstruction
Specialists (NAPARS)

Member, ASTM
International (ASTM)

PROFESSIONAL EXPERIENCE

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

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

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

MARCO CHERASO, PE, ACTAR, CXLT MECHANICAL ENGINEER

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

His services include:

- Vehicle accident investigation and inspection
- Accident reconstruction: passenger vehicles, heavy vehicles, forklifts, motorcycles, off-road vehicles, bicycles and pedestrians
- Passenger vehicle CDR and heavy vehicle EDR (crash/event data recorders, brake controllers, ADAS systems)
- Time, distance, velocity, and acceleration analysis
- Evaluating the human elements of an incident (sight-line analysis, night-time visibility, perception and response)
- Component fracture and fatigue test design and analysis experience
- Friction test design and analysis with English XL tribometer

PROFESSIONAL DEVELOPMENT

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