

Mr. O'Toole has over 20 years of experience within the fields of automotive service and engineering. Mr. O'Toole is experienced in materials analysis, automotive chassis and suspension, electrical and braking systems, wheel and tire, and failure analysis. His engineering experience includes assembly process engineering, product design, development, tooling design and quality control for semiconductor packaging. Mr. O'Toole is skilled in scene investigation, evidence collection, preservation from vehicles and sites, computer photogrammetry, forensic mapping of vehicles and crash sites, and processing of 3-D digitally scanned images. He has investigated in the reconstruction of complex crashes involving multiple vehicles, heavy trucks, pedestrians, bicycles, and motorcycles. His ability to respond promptly has resulted in the preservation of critical evidence. Mr. O'Toole also competes in amateur road racing as a driver, car builder, technical inspector and advisory committee member.

Licensure and Certification

- ACTAR Accredited Traffic Accident Reconstructionist, #2973
- Crash Data Retrieval System Technician I and II, Collision Safety Institute (2015)
- ASE Certified in Electrical/Electronic Systems, Suspension and Steering, and Brakes (2000-2005)
- Hunter Certified in Advanced Alignment Diagnostics (2000)

Formal Education

- Bachelors of Science in Mechanical Engineering, University of Central Florida (2005)
- UCF Formula SAE Chassis Design Team Co-Captain (2005)

Professional Development

- EDR Summit, Crash Data Group (2020)
- EDR Summit, ARC Network (2018)
- Accessing and Interpreting Heavy Vehicle Event Data Recorders Seminar, SAE, Appleton, WI (2017)
- World Reconstruction Exposition, Orlando, FL (2016)
- Crash Conference Crash Team Boot Camp, ARC-CSI (2015)
- Advanced 3-D Laser Scanning Training Program, Dustin Forensics (2015)
- CDR Summit, ARC Network (2015)
- Boeing Aerospace Root Cause Corrective Action (2014)
- Hunter Engineering Alignment Diagnostics (2000)
- Hunter Engineering Alignment Fundamentals (1999)

Professional Affiliations

- Sports Car Club of America Improved Touring Advisory Committee Appointed Member and Secretary (2011-present)
- Sports Car Club of America Full Competition Racing License (2008-present)
- Sports Car Club of America Regional Scrutineer (2006-present)
- JEDEC Associate Member (2014)
- SAE International Member (2001-2005, 2014-present)
- NAPARS Member (2015-present)
- NAFI Member (2014-present)

Professional Experience

- Forensic Specialist, Forensic Engineering Technologies, LLC, Orlando, FL (2014 – Present)
- Process Engineering Manager, Project Engineer, Design Engineer, Micross Components (2005-2014)
- Design, Service, and Sales TrackSpeed Motorsports, LLC (2011-2014)
- Auto Mechanic, Zotz Garage and Zotz Racing, Inc. (2004-2005)
- Research Assistant, UCF Advanced Materials Processing and Characterization Center (2004)
- Auto Technician, Tires Plus (2001)
- Apprentice Technician, Frankel Mazda (1999)
- Auto Technician, Sears Automotive Group (1998-2000)