Grant A. Wilcox

BSME, ACTAR

Senior Managing Consultant, Auto/Marine

Mr. Wilcox is a Senior Managing Consultant and a degreed Mechanical Engineer with Engineering Systems Inc. (ESi) located in Fort Myers, Florida. He has been with ESi since 2010 where he gained experience in the Automotive and Marine practice group working as a researcher, test and field technologist with expertise in Mechanical Engineering in his previous role with the company. His project involvement during his time with ESi includes product evaluation and testing, site and vehicle inspections, product research, and automotive component testing. Mr. Wilcox is proficient in field documentation and evidence preservation as a certified FARO operator using the FARO 3D Laser Scanner.

Prior to joining ESi, Mr. Wilcox has training and experience in vehicle crash analysis and mechanical systems diagnosis, with an emphasis on European vehicles. In those roles he became experienced with manufacturer specific web-based maintenance and repair information systems, parts catalogs, vehicle assembly techniques, and manufacturer approved repair practices.

Education

B.S., Mechanical Engineering, Florida International University, Summa Cum Laude, 2018

A.A., Florida South-Western State College, 2015

A.A., WyoTech, 2006

Licenses & Certifications

- Accreditation Commission for Traffic Accident Reconstruction (ACTAR) #4027, Traffic Accident Reconstructionist

Languages

- English

Positions Held

Engineering Systems Inc., Fort Myers, Florida

- Senior Managing Consultant, 2026 – Present
- Senior Consultant, 2023 – 2026
- Senior Staff Consultant, 2021 – 2023
- Staff Consultant, 2018 – 2020
- Technologist, 2010 – 2018

Contact Information

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(239) 210-6809

ESi Fort Myers

12750 Commonwealth Drive

Ft. Myers, FL 33913

Areas of Specialization

- Automotive Accident Reconstruction
- Automotive and Mechanical Design
- Product Design/Testing
- Failure Analysis
- Mechanical/Property Loss Investigation
- Expert Witness & Litigation Support

ABRA Auto Body, Waukesha, Wisconsin
- Collision Repair Service Technician, 2009 – 2010

Mercedes Benz of Elmbrook, Waukesha, Wisconsin
- Collision Repair Service Technician, 2007 – 2009

Continuing Education

- **Certified FARO Operator**, Fort Myers, Florida
- **Traffic Collision Investigation**, Northwestern University Center for Public Safety, Miami, Florida
- **Traffic Crash Reconstruction for the Forensic Engineer**, Northwestern University Center for Public Safety, Ann Arbor, Michigan
- **Applied Vehicle Dynamics Course**, Decatur Professional Development, LLC, 2013
- **Autocross and High-Performance Driving Program Certification Course**, Autobahn Country Club, Joliet, Illinois
- **Vehicle Accident Reconstruction Methods: Point Mass Collisions, Impulse-Momentum Theory, and Planar Impact Mechanics**, Engineering Systems, Inc., Aurora, Illinois
- **Traffic Signal Timing Records Interpretation and Analysis,** Traffic Signal Academy, University of Tennessee, Norcross Georgia
- **Event Data Recorder Use in Traffic Accident Reconstruction**, Institute of Police Technology and Management, Jacksonville, Florida
- **Accessing and Interpreting Heavy Vehicle Event Data Recorders**, SAE International, Mecanica Scientific Services, Oxnard, California
- **Human Factors in Traffic Accident Reconstruction**, Institute of Police Technology and Management, Fort Myers, Florida
- **Pedestrian/Bicycle Crash Investigation**, Institute of Police Technology and Management, Online, Fort Myers, Florida
- **Human Factors Engineering**, University of Michigan, Ann Arbor, Michigan
- **Vehicle Lamp Examinations in Traffic Collisions**, Institute of Police Technology and Management, Online, Fort Myers, Florida
- **Hyundai-Kia & Tesla EDR Tools Technician**, University of North Florida Institute for Police Technology and Management (IPTM), Aurora, IL
- **Passenger Restraint Safety Systems**, University of North Florida Institute for Police Technology and Management (IPTM), Aurora, IL

Professional Affiliations/Honors

SAE International
- Member

National Technical Honor Society
- Member

Phi Theta Kappa Honor Society
- Member

Publications

"A Parametric Study of an Adaptive Load Limiting Restraint System with Weight Sensing Considerations." Paper Number 19-0057. J. Van Poppel, A.R. Stern, D.M. Fortenbaugh, **G.A. Wilcox**. The 26th International Technical Conference on the Enhanced Safety of Vehicles (ESV), Eindhoven, Netherlands: June 12, 2019

Presentations

"Technical Review," G.A. Wilcox, K.C. Breen, All-terrain Vehicle Research Consumer Product Safety Commission (CPSC), June 2019

"Accident Reconstruction," G.A. Wilcox, C.D. Breen, Technology and Data Application, Fleet Safety Leadership Council (FSLC), Tampa, FL, March 2025.