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**GRANT A. WILCOX**  
**SENIOR CONSULTANT**

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Mr. Wilcox is a Senior Consultant and 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.

**Areas of Specialization**

Automotive Accident Investigation  
Automotive and Mechanical Design  
Product Design/Testing  
Mechanical/Property Loss Investigation

**Education**

B.S., Mechanical Engineering, Florida International University, Summa Cum Laude, 2018  
A.A., Florida South-Western State College, 2015  
A.A., WyoTech, 2006

**Honors**

National Technical Honor Society  
Phi Theta Kappa Honor Society  
National Society of Collegiate Scholars

*January 2024*

## Accreditations

Accreditation Commission for Traffic Accident Reconstruction (ACTAR)  
Traffic Accident Reconstructionist  
June 25, 2021  
Registration Number: 4027

## Positions Held

### **Engineering Systems Inc., Miami/Fort Myers, Florida**

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

### **ABRA Auto Body, Waukesha, WI**

Collision Repair Service Technician, 2009 - 2010

### **Mercedes Benz of Elmbrook, Waukesha, WI**

Collision Repair Service Technician, 2007 – 2009

## Professional Affiliations

SAE Member

## Continued 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  
Autobahn Country Club, Joliet, Illinois

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

## **Publications/Presentations**

Technical Review: CPSC All-terrain Vehicle Research  
Consumer Product Safety Commission (CPSC) Presentation  
June 2019

## **Abstracts and Conference Proceedings**

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

## **Miscellaneous**

Licensed Motorcycle Operator  
Motorcycle Safety Foundation Rider Certification Course  
BMW N.A. – S.T.E.P. Paint and Body Training  
EPA Approved Refrigerant Recovery and Recycling Certification  
Wisconsin Boater's Safety Certification  
Automotive Technology Education I & II, 2003-2005  
Principles of automotive technology and application of mechanical repair procedures