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**JACOB A. STEGEMANN**  
**STAFF CONSULTANT**

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Mr. Jacob Stegemann is a degreed Mechanical Engineer and a Staff Consultant for Engineering Systems Inc (ESI). Mr. Stegemann provides engineering support for senior consultants, including scene, vehicle, equipment and building inspections, photo documentation, evidence collection, generation of computer-aided models, and analysis of data and file material. Mr. Stegemann also handles artifacts for the Michigan office.

Prior to joining ESI, Mr. Stegemann worked as an engineering intern at both RLE international and Fiat Chrysler Automobiles.

**Areas of Specialization**

Automotive Accident Investigation/Reconstruction  
Data Acquisition  
AutoCad Modeling  
Accident Data Analysis  
Artifact Handling  
FARO Operator  
sUAS Pilot

**Education**

B.S.E., Mechanical Engineering, University of Michigan, Ann Arbor, MI, 2016

**Professional Licensures**

Fundamentals of Engineering (F.E)- EIT, 2016  
FAA UAS Remote Pilot

**Professional Affiliations/Honors**

**Society of Automotive Engineers (SAE)**

Member

*March 2020*

## Positions Held

### **Engineering Systems Inc., Ann Arbor, MI**

Staff Consultant, 2020 – Present  
Associate Consultant, 2016 – 2019  
Engineering Intern, 2016

### **RLE International, Ann Arbor, MI**

Engineering Intern, 2015 – 2016

### **Fiat Chrysler Automobiles, Detroit, MI**

Engineering Intern, 2015

### **Germain Honda of Ann Arbor, Ann Arbor, MI**

Service Department Porter, 2013 - 2014

## Continued Education

### HVE Forum

Certificate of Completion, Engineering Dynamics Corporation, Austin, TX, 2020

### Sunbelt Rentals, Aerial Work Platforms

Certificate of Training, Ypsilanti, MI, 2019

### Traffic Crash Reconstruction I

Northwestern University for Public Safety, Ann Arbor, MI, 2019

### Applied Vehicle Dynamics Course

Autobahn Country Club, Joliet, IL, 2018

### Photogrammetry and Analysis of Digital Media

SAE International, Certificate of Achievement, Troy, MI, 2018

### FARO Focus 3D Operator

Certificate of Training, Ann Arbor, MI, 2018

### Human Factors in Traffic Crash Reconstruction

Institute of Police Technology Management, University of North Florida, Fort Myers, FL, 2017

### Vehicular Crash Reconstruction Methods Seminar, SAE International

Certificate of Achievement, Troy, MI, May 2016, Timron Scientific Consulting, Inc.

## **Publications/Presentations**

Technical Review, CPSC All-Terrain Vehicle Research. Consumer Product Safety Commission Presentation. June 2019.

“The Kinematic Analysis of Occupant Excursions and Accelerations During Staged Low Speed Far-Side Lateral Vehicle-to-Vehicle Impacts,” P.A. Shibata, J.M. Roberts, J.K. Sprague, A.E. Light, **J.A. Stegemann**, M. Meza-Arroyo, S.P. Capser, SAE Technical paper 2019-01-1030, 2019.

Analysis of an Unexpected Impact to the Crown of the Head”, P.A. Shibata, A.L. Stern, J.R. Roberts, **J.A. Stegemann**, “Proceedings of The XXVIIIth Annual International Occupational Ergonomics and Safety Conference, Chicago, IL, pp. 126-131, June 9-10, 2016