

Matthew D. Russo

Address:

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<http://www.cummingsci.com>

Education:

B.S. – Florida State University, Tallahassee, FL
Mechanical Engineering with minors in Physics and Mathematics

Significant Coursework:

Chemistry with Laboratory Experience, Physics with Laboratory Experience, Statics, Dynamics with Laboratory Experience, Materials Science with Laboratory Experience, Mechanics of Materials, Mechanical Systems, Electricity and Circuits, Thermodynamics with Laboratory Experience, Systems and Controls, Energy Systems

Professional:

Licensed Engineering Intern
Full Accreditation as a Traffic Accident Reconstructionist by the Accreditation Commission for Traffic Accident Reconstruction. (ACTAR # 3064)
Licensed sUAS Aircraft Pilot

Cummings Scientific, LLC, Tallahassee, FL; Engineering, Accident Reconstruction;
2015 - Present

- Reconstruction of vehicular accidents; dynamic and kinematic analysis; computer analysis; momentum exchange; vehicle crush energy calculations; visibility analysis; automobile, truck, motorcycle, scooter accidents.
- Three dimensional scene reconstruction
- Downloading and interpretation of vehicle Crash Data Recorder data.
- Mathematical modeling of vehicular accidents.
- Computer modeling of vehicular accidents and occupant kinematics.

Professional Organizations:

- **ASME** – American Society of Mechanical Engineers
- **SAE** – Society of Automotive Engineers

Conference and Course Attendance:

- **Crash Data Retrieval**, Technician Course, IPTM, November 2015
- **59th Stapp Car Crash Conference**, New Orleans, LA. November 9-11, 2015
- **11th CDR Summit, Houston**, TX, January 25-27, 2016
- **ARC-CSI Car Crash Conference**, Las Vegas, NV. September 18-21, 2017
- **Traffic Crash Investigation 1**, Online course, November, 2018
- **PC-Crash Florida Workshop**, Orlando, FL. January 30-February 1, 2019

Publications:

- Cummings, J. R., Fletcher, H. J., Biller, B. A., Scanlan, S., Lamb, R., & Russo, M. D. (2016). Estimates of Motorcycle Speed Made By Eyewitnesses Under Ideal Experimental Conditions. *Accident Reconstruction Journal*, 12–17.