



18500 Trails End Road
Conroe, TX 77385

ERIC M. SCHULTZ
STAFF CONSULTANT

emschultz@engsys.com

Eric Schultz is a Staff Consultant for Engineering Systems Inc. (ESi) in the Electrical practice group. Prior to joining ESi, he worked as an Electrical Engineer at Parker Aerospace and Lockheed Martin. Mr. Schultz specializes in electrical engineering issues involving electrical failure analysis, PCBs, electrical components, utility power, and aerospace requirements. He has extensive experience in risk reduction testing and analysis. Mr. Schultz also has experience with DO-160 and DO-254.

Areas of Specialization

Electrical Devices
Electrical Power Systems
Controls & Software

Education

B.S., Electrical Engineering, Brigham Young University, Provo, UT, 2020
A.S., Utah Valley University, Orem, UT, 2014

Certifications

Transportation Worker Identification Credential (TWIC®)

Professional Affiliations

Institute of Electrical and Electronics Engineers (IEEE)
Member since 2024

National Association of Fire Investigators (NAFI)
Member since 2024

Positions Held

Engineering Systems Inc., Houston, Texas
Staff Consultant, 2023 – Present

Parker Aerospace, Fort Worth, Texas
Electrical Engineer – Circuit Design, 2022 – 2023

Lockheed Martin, Arlington, Texas
Electrical Engineer - Components, 2020 – 2022

Brigham Young University, Provo, Utah
Teaching Assistant, 2019 – 2020

Raytheon Missile System, Tucson, AZ
EE Intern, 2019

June 2024

Presentations

“Design, Risk, and Efficacy While Testing to Standards – Tradeoffs for Surge Protective Devices,” Schultz, Eric M., Bilancia, Louis F., and Bajak, T., presented at the International Symposium on Product Compliance Engineering (ISPCE) Chicago, April 2024

Publications

E. M. Schultz, L. F. Bilancia and T. J. Bajzek, "Design, Risk, and Efficacy While Testing to Standards - Tradeoffs for Surge Protective Device," 2024 IEEE International Symposium on Product Compliance Engineering (ISPCE), Chicago, IL, USA, 2024, pp. 1-6, doi: 10.1109/ISPCE61193.2024.1054114