



18500 Trails End Road  
Conroe, TX 77385

**ERIC M. SCHULTZ**  
**STAFF CONSULTANT**

[emschultz@engsys.com](mailto: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/Licensures**

State of Texas – Fundamentals of Engineering (F.E.), License No. 24-171-75  
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

**Raytheon Missile System, Tucson, AZ**  
EE Intern, 2019

*August 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