



1174 Oak Valley Drive
Ann Arbor, MI 48108

JESSICA R. CROSBY

SENIOR STAFF CONSULTANT

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Jessica R. Crosby is an electrical engineer specializing in automotive and electrical investigations. She spent a decade in the automotive industry, starting her career as a Resident Engineer in truck assembly. Ms. Crosby performs root cause analysis of electrical wiring and control module defects, electrical certification, new software and hardware validation, defect containment, and warranty analysis. As a founding member of the On Board Diagnostics team for electrified programs at Stellantis, she is knowledgeable of the changing requirements and challenges involved in automotive assembly and design, such as calibrating and releasing for new diagnostic monitors, demonstrating emissions capability for certification, creating test plans for new diagnostic trouble codes, and establishing processes and methodology for software application of new regulatory requirements.

Additionally, Ms. Crosby has gained experiential knowledge in fire investigation within the forensic field as an electrical engineer, specifically in residential, commercial, and Battery Energy Storage Systems (BESS). This experience enhances her expertise in identifying and analyzing an array of electrical defects or alleged defects, including knowledge of Lithium Ion Battery failures, cell disassembly, and component failure. Ms. Crosby earned a bachelor's degree in electrical engineering from the Georgia Institute of Technology.

Areas of Specialization

Automotive Electrical Systems
Fire Investigation
Engine Calibration
Quality Manufacturing
On Board Diagnostics
Hybrid & Electric Vehicles

Education

B.S., Electrical Engineering, Georgia Institute of Technology, Atlanta, GA, 2013

Continued Education

Shainin Green Belt, Shainin Black Belt
FCA Training Facility, Auburn Hills, MI, 2016

March 2025

Positions Held

Engineering Systems Inc., Ann Arbor, MI

Senior Staff Consultant, 2023 to Present

Chelsea Proving Grounds, Stellantis, Chelsea, MI

Senior Hybrid and BEV Engine Calibration Engineer, 2018-2023

Chelsea Proving Grounds, Fiat Chrysler Automotive, Chelsea, MI

V6 Pentastar Classic Calibration Engineer, 2016-2018

Warren Truck Assembly Plant, Fiat Chrysler Automotive, Detroit, MI

Resident Electrical Engineer, 2014-2016

Publications/Presentations

“Batteries: Demonstration and Discussion”, **J.R. Crosby**, J.G. Jordan (ESi), J. Sutula (S-E-A), M. Rowe (Techtronic Industries – TTI). Presentation / Demonstration with panel discussion, *2025 Annual DRI Product Liability Conference, Miami, FL. February 21, 2025.*