



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. She is skilled in Shainin black belt methodology, and six sigma reactive analysis.

Ms. Crosby has expertise in diagnostic engine calibration for electrical, hybrid, and gas vehicle applications. 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. Ms. Crosby earned a bachelor's degree in electrical engineering from Georgia Tech.

Areas of Specialization

Automotive Electrical Systems
Engine Calibration
Quality Manufacturing
On Board Diagnostics
Hybrid & Electric Vehicles
Control Modules
Software Validation

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



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