



**DESIGN  
RESEARCH  
ENGINEERING**

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**MATTHEW FYIE, M.S.M.E.**  
**Senior Engineering Consultant**

**PROFESSIONAL SPECIALIZATION**

Matthew Fyie has more than 30 years of experience in automotive design, product development, product testing, reliability, and safety. While working in the automotive industry he conducted a wide range of analytical research leading to developments in transmission and driveline systems.

**EDUCATION**

M.S., Mechanical Engineering, University of Michigan, Dearborn, Michigan

B.S., Mechanical Engineering, GMI Engineering and Management Institute, Flint, Michigan

Traffic Crash Investigation and Reconstruction, Northwestern University, Center for Public Safety

**PROFESSIONAL EXPERIENCE**

Design Research Engineering, Novi, Michigan, May 2024 – Present

Senior Engineering Consultant

Ford Motor Company

Design Analysis Engineering

Technical Leader, 2022 - April 2024

Design Analysis Manager, 2017 - 2022

Design Analysis Engineer, 2012 - 2017

Transmission and Driveline Engineering

Park Systems and Sensors, Supervisor, 2005 - 2012

Shift Systems, Product Design Engineer, 2004 - 2005

5R110W Transmission Systems, Calibration Engineer, 2001 - 2004

Park Systems, Product Design Engineer, Product Design Engineer, 1998 - 2001

Ford College Graduate Program, Engineer, 1997 - 1998

V-Engine, College Co-Op Program, 1992 - 1997

**PROFESSIONAL AFFILIATIONS**

Member - Society of Automotive Engineers

**PATENTS**

US-9200707-B2: Control of automatic transmission shift by wire range selection

US-9157970-B2: Method and apparatus for preventing contamination from affecting magnetic field sensors

US-8897978-B2: Method and system for providing a neutral hold mode in shift-by-wire transmission

US-8688339-B2: Method and system for providing a neutral tow mode in shift-by-wire transmission

US-8560193-B2: Range shifting of an automatic transmission

US-8515635-B2: Method and system for providing a brake transmission shift interlock override mode in a shift-by-wire transmission

US-6279713-B1: Parking pawl assembly