



1174 Oak Valley Drive  
Ann Arbor, MI 48108

**STUART M. SHERRY**  
**SENIOR STAFF CONSULTANT**

[smsberry@engsys.com](mailto:smsberry@engsys.com)

Mr. Stuart Sherry is an electrical engineer with over 18 years of experience working in various roles in automotive product development and manufacturing equipment. Prior to joining ESi, Mr. Sherry led the North American electronics product development team for a large Tier 1 auto supplier to design, develop and launch innovative new ECUs for several different vehicles.

Mr. Sherry has an extensive background in automotive electronics that includes failure analysis of returned parts, investigation of customer complaints, embedded software development, hardware design, and electronics manufacturing processes. He has developed proprietary data collection and analysis techniques to determine the root cause of various ECU design or production failures and performance issues. He specializes in automotive ECUs that control DC motors.

**Areas of Specialization**

Controls & Software  
Electrical Devices  
Automotive  
Recorded Data Recovery  
Data Collection

**Education**

M.S., Electrical Engineering, Oakland University, Rochester, MI, 2007  
B.S., Electrical Engineering, Kettering University, Flint, MI, 2002

**Private Pilot License**

Federal Aviation Administration..... License No. 2743463

**March 2020**

## **Professional Affiliations/Honors**

### **Original Equipment Supplier Association**

Advanced Technology Council, 2018 – 2020

Young Leadership Council, 2015 – 2016

### **Institute of Electrical and Electronics Engineers (IEEE)**

Member since 2020

### **IPC**

Member since 2020

### **Baker College**

Electronic Technology Advisory Board, 2011

### **Society of Automotive Engineers (SAE)**

Member since 2010

### **Eta Kappa Nu**

Member, 2000 – 2002

### **Tau Beta Pi**

Member, 2000 – 2002

### **Kappa Mu Epsilon**

Member, 1998 – 2002

## **Positions Held**

### **Engineering Systems Inc., Ann Arbor, MI**

Senior Staff Consultant, 2020 – Present

### **Brose North America, Auburn Hills, MI**

Director of Electronics Development, 2017 – 2020

Systems Electronics Engineering Manager, 2013 – 2017

Electronics Engineering Supervisor, 2011 – 2013

Electronics Engineer, 2004 – 2011

### **Dürr Production Systems, Farmington, MI**

Controls Engineer, 2002 – 2004

## **Continued Education**

Certified IPC Specialist (CIS)  
IPC, Troy, MI 2020

Negotiation & Decision-Making Strategies  
Chicago Booth Executive Education, Chicago, IL, 2018

Creating a Culture of Innovation  
University of Wisconsin, Detroit, MI, 2018

Citizen's Academy  
Michigan State Police, Flint, MI 2017

Driving Change  
IAK, Auburn Hills, MI 2017

Leading Employees  
SyNet, Bamberg, Germany 2016

A Familiarization of Drivetrain Components  
SAE, Troy, MI 2016

Fundamentals of Finance for Non-Financial Managers  
Frost & Sullivan, Chicago, IL 2013

Strategic Thinking & Planning for Contemporary Managers  
Frost & Sullivan, Chicago, IL 2012

Motion Leadership Development Program  
Brose, Auburn Hills, MI 2012

Principles of Cost and Finance for Engineers  
SAE, Troy, MI 2012

My Responsibility as a Leader  
Productive Training Services, Troy, MI 2011

Design of Interior Permanent Magnet and Brushless DC Machines – Taking Theory to Practice  
Advanced MotorTech, Chicago, IL 2010

Fundamentals of Steering Systems  
SAE, Troy, MI 2010

CAN Bus Fundamentals  
Vector, Novi, MI 2009

Real-time Workshop Fundamentals  
Mathworks, Novi, MI 2008

Simulink for Automotive System Design  
Mathworks, Novi, MI 2008

Leading with Confidence and Influence  
Productive Training Services, Auburn Hills, MI 2008

## **Courses Taught**

### **Baker College**

Circuit Analysis, September – December 2009

### **ITT Technical Institute**

Electronics II, January – March 2008

## **Publications/Presentations**

Cyber Security of Autonomous Vehicles, **S.M. Sherry**, panelist at TU Automotive Conference, Novi, MI 2019.

Hacking the Autonomous Vehicle, **S.M. Sherry**, panelist at Drive World Conference and Expo, Santa Clara, CA 2019.

12th Annual GAMIC Regional Quarterfinals, **S.M. Sherry**, Keynote speaker, Auburn Hills, MI, 2019