

## Curriculum Vitae

**Kerry Parrott, BSME, CFI, CFEI/CVFI**  
Senior Engineer/Fire Analyst  
Kerry.Parrott@Stahl-Engineering.com

### REGISTRATIONS

- **Certified Fire Investigator - *International Association of Arson Investigators, 2010***  
#14-090821
- **Certified Vehicle Fire Investigator - *National Association of Fire Investigators, 2003***  
#7422-2824v
- **Certified Fire and Explosion Investigator - *National Association of Fire Investigators, 2000***  
#7422-2824
- **Commercial Driver's License - Class A - *State of Indiana***-with endorsements for Tank Vehicles, Passenger Transportation, School Bus, and Double or Triple Trailers, *2002 - present*

### EMPLOYMENT/EXPERIENCE

- ***Stahl Engineering & Failure Analysis, LLC*** - Fort Wayne, IN  
2010 - present, Senior Engineer / Fire Analyst
- ***Navistar/International Truck and Engine Corporation*** - Fort Wayne, IN  
2004 - 2010, Staff Product Integrity Engineer, Product Integrity Group  
2000 - 2004, Senior Product Integrity Engineer, Product Integrity Group  
1998 - 2000, NGV / Homologation Program Manager
- ***Dana/Eaton Corporation*** - Auburn, IN  
1994-1998, International Engineering Account Manager - Spicer Clutch Division
- ***Dana Corporation*** - Richmond, IN  
1985-1993, Applications Engineer - Engine Components, Perfect Circle Products Division

### EDUCATION

- ***University of Kentucky*** - Lexington, KY  
1985 - Bachelor of Science in Mechanical Engineering
- ***Auburn University*** - Auburn, AL  
1980-1982 - Pre-Engineering Curriculum - Completed **65** credit hours

## **LANGUAGE SKILLS**

- Bilingual, Fluent in English and Spanish
- Working knowledge of Portuguese

## **PROFESSIONAL AFFILIATIONS**

- SAE - Society of Automotive Engineers International, Member
- SAE - Society of Automotive Engineers - *Motor Vehicle Fire Investigation Task Force*, SAE Task Group of the National Fire Protection Association 921 Technical Committee *Motor Vehicle Chapter* - Contributing author, 2008 Edition
- NFPA - National Fire Protection Association
- NFPA - Appointed as Principal member of the Technical Committee on Recreational Vehicles and Recreational Vehicle Parks and Campgrounds, NFPA 1192/1194, August 2011 - present
- ASME - American Society of Mechanical Engineers
- NAFI - National Association of Fire Investigators
- IAAI - International Association of Arson Investigators

## **PRESENTATIONS**

- *A Case Study on the Use of Reverse FMEA (rFMEA) and the Scientific Method in a Fire Cause Determination*, Fourth International Conference on Fires in Vehicles (FIVE), 2016, Baltimore, MD
- *Using FMEA as a Failure Analysis Tool (rFMEA)*, Annual Indiana Fire Investigation Conference, 2016, Indianapolis, IN
- *Electrical Arcs and Sparks: A Literature Review of Definitions and Their Implications in the Analysis of 12 Volt Direct Current Electrical System Fires*, - K. D. Parrott and D. R. Stahl, International Symposium on Fire Investigation Science & Technology (ISFI), 2014, Sarasota, FL
- *Special Considerations for Determining O&C in Diesel, Alternate Fuel, and Hybrid Commercial Vehicles*, Int'l Association of Arson Investigators (IAAI), Minnesota Chapter, 2013, MN, Fire Investigation Conference
- *Case Studies of Parking Brake Fires in Commercial Vehicles, 2013-01-0207* - K. D. Parrott and D. R. Stahl, SAE World Congress & Exhibition, 2013, Detroit, MI
- *Parking Brake Fires in Commercial Vehicles, Second International Conference on Fires in Vehicles (FIVE)*, 2012, Chicago, IL

- *Truck & Bus Fires; Origin & Cause in Diesel, Alternate Fuel, and Hybrid Vehicles*, 13th Annual Indiana Fire Investigation Conference - Indiana Chapter of the International Association of Arson Investigators, 2012, Indianapolis, IN
- *Commercial Vehicles, How & Why They Burn*, 33<sup>rd</sup> Annual Pennsylvania Association of Arson Investigators Seminar, 2010, State College, PA

## **PUBLICATIONS**

- *Case Study with a Fire Origin and Fire Cause Remotely Located from the Root Cause of the Failure in a Commercial Vehicle*, - D.R. Stahl, and K.D. Parrott, Proceedings 11<sup>th</sup> International Symposium on Fire Investigation Science & Technology (ISFI), 2018
- *A Case Study on the Use of Reverse FMEA (rFMEA) and the Scientific Method in a Fire Cause Determination*, - K.D. Parrott and D.R. Stahl, Fourth International Conference on Fires in Vehicles (FIVE), 2016, Baltimore, MD. SP Fire Research, SP REPORT, 2016:75 ISBN 978-91-88349-64-4 ISSN 0284-5172 2016, Baltimore, MD
- *Electrical Arcs and Sparks: A Literature Review of Definitions and Their Implications in the Analysis of 12 Volt Direct Current Electrical System Fires*, - K.D. Parrott and D.R. Stahl, Proceedings 7<sup>th</sup> International Symposium on Fire Investigation Science & Technology (ISFI), 2014
- *Case Studies of Parking Brake Fires in Commercial Vehicles* - K.D. Parrott and D.R. Stahl, SAE Technical Paper 2013-01-0207, 2013, doi:10.4271/2013-01-0207
- *Parking Brake Fires in Commercial Vehicle* - K.D. Parrott and D.R. Stahl, Second International Conference on Fires in Vehicles (FIVE), 2012, Chicago, IL
- *Applicability and Limitations of Arc Mapping in Vehicle and Equipment Fire Investigation* - K.D. Parrott and D.R. Stahl, pp. 617-623 in IFSI 2012 - Proceedings 5th International Symposium on Fire Investigation Science & Technology (ISFI), 2012
- *Applying Advanced FMEA Methods to Vehicle Fire Cause Determinations* - K.D. Parrott, P. J. Mattes and D.R. Stahl, ASME. ASME International Mechanical Engineering Congress and Exposition, Volume 9: Transportation Systems; Safety Engineering, Risk Analysis and Reliability Methods; Applied Stochastic Optimization, Uncertainty and Probability: 621-631. doi:10.1115/IMECE2011-65159.

## **CONFERENCES, SEMINARS & SELECTIVE COURSE WORK**

- *Indiana Fire Investigation Conference*, The International Association of Arson Investigators, 2018, Indianapolis, IN.
- *Fire Safety Technical Paper Presentations*- SAE World Congress & Exhibition, 2018, Detroit, MI
- *Vehicles: Transmission, Exhaust, Brake and Accessory Systems* - The International Association of Arson Investigators, Online Continuing Education Course, 2017

- *Motor Vehicles: The Engine and the Ignition, Electrical, and Fuel Systems* - The International Association of Arson Investigators, Online Continuing Education Course, 2017
- *Fire Safety Technical Paper Presentations* - SAE World Congress & Exhibition, 2017, Detroit, MI
- *Vehicle Alternative Fuel* - The International Association of Arson Investigators, 2017, Reynoldsburg, OH
- *Fire Safety Technical Paper Presentations* - SAE World Congress & Exhibition, 2016, Detroit, MI
- *Fire Safety Technical Paper Presentations* - SAE World Congress & Exhibition, 2015, Detroit, MI
- *International Symposium on Fire Investigation Science & Technology (ISFI)*, College Park, MD, 2014
- *Indiana Fire Investigation Conference*, The International Association of Arson Investigators, 2014, Plainfield, IN
- *Fire Safety Technical Paper Presentations* - SAE World Congress & Exhibition, 2014, Detroit, MI
- *Fire Safety Technical Paper Presentations* - SAE World Congress & Exhibition, 2013, Detroit, MI
- *Fire Safety Technical Paper Presentations* - SAE World Congress & Exhibition, 2012, Detroit, MI
- *Second International Conference on Fires in Vehicles (FIVE)*, 2012, Chicago, IL
- *Indiana Fire Investigation Conference*, The International Association of Arson Investigators, 2012, Plainfield, IN
- *Fire Safety Technical Paper Presentations* - SAE World Congress & Exhibition, 2011, Detroit, MI
- *Investigating Motor Vehicle Fires, Documenting the Event, Evidence Examination, The Scientific Method for Fire and Explosion Investigation, Fire and Explosion Investigation: Utilizing NFPA 1033 and 921, Arc Mapping Basics, Understanding Fire Through the Candle Experiments* - The International Association of Arson Investigators, Online Continuing Education Course, 2010
- *Fire Safety Technical Paper Presentations* - SAE World Congress & Exhibition, 2010, Detroit, MI
- *Fire Safety Technical Paper Presentations* - SAE World Congress & Exhibition, 2009, Detroit, MI
- *Vehicle Fire, Arson & Explosion Investigation Science & Technology Seminar* - National Association of Fire Investigators, 2009, Lexington, KY
- *Federal Motor Carrier Safety Regulations* - J.J. Keller & Associates, 2009, Fort Wayne, IN
- *Fire Safety Technical Paper Presentations* - SAE World Congress & Exhibition, 2008, Detroit, MI

- *Fire Safety Technical Paper Presentations* - SAE World Congress & Exhibition, 2007, Detroit, MI
- *Traffic Accident Reconstruction I*, Northwestern University, 2007, Evanston, IL
- *Fire Safety Technical Paper Presentations* - SAE World Congress & Exhibition, 2006, Detroit, MI
- *Fire Safety Technical Paper Presentations* - SAE World Congress & Exhibition, 2005, Detroit, MI
- *Global 8-D Problem Solving Training, Ford Technical Education Program*, 2005, Fort Wayne, IN
- *Design Failure Mode and Effects Analysis Participant Workshop*, Eastern Michigan University, 2005, Fort Wayne, IN
- *Fire Safety Technical Paper Presentations* - SAE World Congress & Exhibition, 2004, Detroit, MI
- *Vehicle Air Brake Systems and Components, Bendix Commercial Vehicle Systems*, 2004, Huntington, IN
- *Vehicle Fire, Arson & Explosion Investigation Science & Technology Seminar* - National Association of Fire Investigators, Eastern Kentucky University, 2003, Richmond, KY
- *The Role of Warnings & Instructions*, University of Wisconsin-Madison, 2002, Madison, WI
- *Fire & Arson Investigation*, Ivy Tech State College, 2000, Fort Wayne, IN
- *Braking Performance of Heavy Commercial Vehicles*, Radlinski and Associates, 1999, Fort Wayne, IN
- *Appointed Second Year Dana Quality Leadership Award Examiner* (Malcolm Baldrige National Quality Award), 1997, Toledo, OH
- *Taguchi Techniques for Applied Design of Experiments I and II*, Dana University, 1988, Fort Wayne, IN
- *Completed programs in Supervision, Cost Analysis, Excellence in Manufacturing, Quality Leadership Assessment, and Process Management*, Dana University, 1988 - 1996, Toledo, OH
- *Geometric Tolerancing*, Agricultural Machinery Conference, 1985, Cedar Rapids, IA