

## Curriculum Vitae Bradley T. Cook, P.E., MSE

Bio-Medical/Mechanical Engineer



### EDUCATION

Bachelor of Science, Mechanical Engineering, University of Michigan-Ann Arbor, 1995

Master of Science, Bio-Medical Engineering, Purdue University, 2015

### LICENSES, CERTIFICATIONS, AND ENDORSEMENTS

Professional Engineer in Florida and Michigan

Bosch Crash Data Retrieval Technician and Data Analyst

Certified XL Tribometrist, CXL

Lou Peck Motorcycle Collision Reconstruction Course

### STANDARD COMMITTEES

Committee Member, UL STP 2201: Engine, Generator Requirements

Committee Member, ASTM Technical Committee E58 on Forensic Engineering

Committee Member, ANSI PGMA Committee for G300: Safety and Performance of Portable Generators

Committee Member, ASTM Technical Committee F13 on Pedestrian/Walkway Safety and Footwear

### PROFESSIONAL ORGANIZATIONS

Member, American Society of Testing and Materials (ASTM)

Member, American Society of Safety Professionals (ASSP)

Member, Society of Automotive Engineers (SAE)

### PROFESSIONAL SUMMARY

Bradley is a licensed professional engineer specializing in vehicle accident investigation and reconstruction, industrial and construction workplace accidents, premise liability, and product safety. His formal training in mechanical and bio-medical engineering gives him dual expertise to investigate accidents and the resulting injuries.

Bradley has performed engineering analyses for hundreds of vehicle accident reconstructions including automobiles, motorcycles, pedestrians, bicycles, and heavy commercial vehicles. The cases typically include vehicle and accident scene inspections, collecting crash data retrieval (CDR) or heavy vehicle data, traffic control analysis, human factors analysis, kinematic analysis, and injury causation.

Bradley has conducted inspections of general premise liability accidents with respect to applicable building codes and consensual standards. Typical cases have involved slip, trip and falls; automatic door injuries; garage and industrial door failures; parking lot conditions; and stairway falls. He has also analyzed industrial and construction accidents and injuries with occupational safety and health compliance and evaluation in both general industry and construction to with respect to OSHA regulations and industry standards.

Bradley also has experience providing product safety hazard analysis with respect to consumer products and injuries. He has performed investigations, testing, research, and analysis of consumer product accidents including children toys, children furniture tip-over, outdoor power equipment, and portable power tools.

### PROFESSIONAL EXPERIENCE

Kimley-Horn & Associates, Forensic Engineer, 2019 – Present

KSN Engineering Inc., President, 2004 – 2019

J.M. Miller Engineering Inc., Managing Engineer, 1999 – 2019

DaimlerChrysler Co., Chassis Product Engineer, 1997 – 1999; Production Team Advisor, 1996 – 1997

### PUBLICATIONS

Wogalter, M.S. Ed. (2019). *Forensic Human Factors and Ergonomics: Case Studies and Analyses*. Boca Raton, FL: Taylor & Francis Group, CRC Press.

Lehto, M.R., Cook, B.T., "Occupational Health and Safety Management," Chapter 25 in *Handbook of Human Factors and Ergonomics*, fourth edition Salvendy, G. (ed), John Wiley & Sons, NY, March 2012.