

## Curriculum Vitae

Traci K. Campbell, P.E., CXL, Senior Engineer

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## BACKGROUND

Ms. Campbell has over 20 years of experience investigating, analyzing, and testifying in matters involving a variety of forensic engineering issues. She is a leading expert in industrial accident reconstruction and human factors; slip, trip, stumble and fall analysis; application of standards, codes, and guidelines including OSHA, ANSI, ASTM, Life Safety, ADA and Building Codes; workplace safety related issues; forklift and material handling devices; construction machinery and workplaces; manufacturing equipment; and the analysis of workplace systems and product failures. Ms. Campbell has a strong background working in manufacturing and industrial workplaces including the design, development, and implementation of solutions to ensure safe work environments. She has also been credited as part of a team holding a patent related to safeguarding power hand tools with rotating discs. Her special interests include amusement park and theme park accidents and safety related issues. Ms. Campbell is also a CXL - Certified XL Tribometrist (slip index evaluation) and a certified counter balance forklift operator.

Ms. Campbell has served as a presenter with the American Society of Safety Professionals (ASSP) regarding slip, trip, stumble, and fall incidents. She has shared her engineering expertise with many organizations on topics including slip, trip, stumble, and fall incidents; electronic data in the realm of accident reconstruction; safety engineering and the engineering hierarchy; photogrammetry and other accident reconstruction techniques; OSHA compliance; and Industrial Engineering. Ms. Campbell is a registered and licensed Professional Engineer in five states and she continues to refine her skills and knowledge of premises liability and safety engineering by staying current with new technology and best practices.

## AREAS OF EXPERTISE

- Industrial Accidents
- Slip / Trip / Fall
- Human Factors and Environment Interaction
- Pedestrian Kinematics
- Workplace Safety
- Retail and Restaurant Facility Safety
- OSHA & ADA Regulations
- Multi- Employer Workplaces
- ANSI / ASTM / Building Codes
- Elevators/Escalators
- Industrial Equipment
- Forklifts and Material Handling Devices
- Parking Lot Safety
- Safety Engineering
- Guarding and Warnings
- Theme Parks / Recreation Safety & Facilities
- Product Failure Analysis
- Pedestrian Accidents
- Automobile Collisions
- Tractor / Trailer Collisions
- Bicycle Accidents

## PROFESSIONAL LICENSES & CERTIFICATIONS

- Licensed Professional Engineer, Florida, #63873
- Licensed Professional Engineer, Georgia, #PE132296
- Licensed Professional Engineer, Alabama, # 28799-E
- Licensed Professional Engineer, South Carolina, #28337
- Licensed Professional Engineer, Mississippi, #27918
- Certified XL Tribometrist, #1301463
- Certified Counter Balanced Forklift Operator

## EDUCATION

- B.S., Industrial Engineering, Florida State University, Tallahassee, FL, 1993

## PROFESSIONAL EXPERIENCE

2019 – Present | Quality Forensic Engineering, LLC | Senior Engineer, Tallahassee, FL

2001 – 2019 | BEC Consulting, LLC | Senior Consulting Engineer, Tallahassee, FL

1996 – 2001 | General Motors Corp. | Senior Industrial Engineer 1999-2001, Warren, MI  
| Lean Manufacturing Engineer 1998-1999, Shanghai, China  
| Industrial Engineer 1998, Lake Orion, MI  
| Industrial Engineer 1996-1998, Atlanta, GA

1994 – 1996 | Stanadyne Automotive Corp. | Industrial Engineer 1994-1996, Tallahassee, FL  
| MRO Buyer 1993-1994, Tallahassee, FL

## NOTABLE PROJECTS

### **Overhaul and Retrofit Existing Manufacturing Facility**

In one of her first assignments with General Motors Corporation, Ms. Campbell was an Industrial Engineer responsible for the overhaul and retrofit of an existing manufacturing facility in Atlanta, GA to prepare for the production of a new line of vehicles. As part of the team of engineers responsible for the Body Shop area of the plant, she was responsible for the design and implementation of new workstations for approximately 50 operators and highly automated robotic and conveyor systems used for welding and material handling, while working within the confines and constraints of an existing building. This included balancing the aggressive needs of production quotas against the safety and well-being of the people performing the work.

### **Construction, Installation, and Implementation of new Manufacturing Facility**

For a project that represented the first manufacturing venture for General Motors into mainland China, Ms. Campbell was an Industrial Engineer in Shanghai, China responsible for, not only the design and implantation of new workstations and workplace layout for the production of passenger vehicles, but was also a part of the team responsible for the construction of the manufacturing facility from brick one in an open field. The challenges presented included the “normal” processes of installation of new manufacturing equipment and production lines but also the added complexity of training and educating

workers that were thrust into a new business with a new work ethic and culture. This 18-month project incorporated every aspect of manufacturing including material handling container design presentation, transport of materials, workplace safety and layouts, and safety, human factors, and ergonomics.

### **Forensic Engineering**

As a Senior Engineer providing high level engineering and problem analysis, Ms. Campbell has been responsible for a variety of forensic engineering projects, including:

- Slip, Trip, Stumble and Fall Incidents
  - Coefficient of friction
  - Obstacles in pathways
  - Changes in elevation
  - Illumination
  - Bathrooms, bathtubs, and showers
- Stairways and Ramps
  - Stair geometry including treads, risers, and handrails
  - Ramp inclines and materials
- Material Handling Incidents
  - Forklifts and Pallet Jacks
  - Stability of pallets and loads
  - Powered Industrial Equipment
  - Interaction with pedestrians
- Retail and Restaurant Incidents
  - Interaction with floors, fixtures, carts, and furniture
  - Obstacles in aiseways
  - Falling merchandise
- Parking Lot Incidents
  - Pedestrian and Vehicle interactions
  - Wheel stops
  - Speed bumps
  - Manhole covers and storm grates
- Safety Engineering
  - Sound levels
  - Multi-employer workplaces
- ADA Compliance
  - Ramps and curb ramps
  - Parking spaces
- Guarding and Warnings
  - Identification and elimination of hazards
  - Guarding of hazards
  - Floor holes, openings, and edges
  - Warning of hazards
  - Use of equipment, products, and machinery
- Elevator and Escalator Incidents
  - Leveling of Elevators
  - Guarding of Elevators and Escalators
  - Instructions and warnings for Elevators and Escalators

- Amusement and Recreational Incidents
  - Instructions and warnings for use and participation
  - Facility Safety
  - Guarding and Warnings
- Vehicular accident reconstruction
- Bicycle and Pedestrian accidents
- Tractor-trailer accident reconstruction
- Engineering Data Recorder downloads

## PROFESSIONAL ASSOCIATIONS

- American Society of Safety Professionals (ASSP)
- American Society for Testing and Materials (ASTM)
  - E30 Committee - Forensic Sciences
    - E30.02 Questioned Documents
    - E30.11 Interdisciplinary Forensic Science Standards
    - E30.12 Digital and Multimedia Evidence
    - E30.92 Terminology
  - E34 Committee - Occupational Health and Safety
    - E34.01 Terminology
    - E34.30 Occupational Health and Safety in Construction
    - E34.40 Hazard Communication
    - E34.55 Occupational Safety and Health Performance Improvement
    - E35.85 Ergonomics
  - E58 Committee – Forensic Engineering
    - E58.01 General Practice
    - E58.02 Product Defect Incidents
    - E58.03 Vehicular Incidents
    - E58.04 Electrical Incidents
    - E58.05 Industrial Incidents
    - E58.06 Incidents Involving Structures
  - F08 Committee - Sports Equipment and Facilities
    - F08.80 Common Terminology, Methods and Laboratory Practices
  - F13 Committee - Safety and Traction for Footwear
    - F13.10 Traction
    - F13.30 Footwear
    - F13.40 Research
    - F13.50 Walkway Surfaces
    - F13.91 Editorial and Terminology
  - F15 Consumer Products
    - F15.03 Safety Standards for Bathtub and Shower Structures
    - F15.09 Home Playground Equipment
    - F15.22 Toy Safety
    - F15.29 Playground Equipment for Public Use
    - F15.44 Play Equipment for Children Under Two

- F15.72 Torch Fuels
  - F24 Committee - Amusement Rides and Devices
    - F24.20 Specifications and Terminology
    - F24.30 Maintenance and Inspection
    - F24.40 Operations
    - F24.50 Training, Education and Certification
    - F24.60 Special Rides/Attractions
    - F24.70 Water Related Amusement Rides and Devices
- Florida Engineering Society (FES)
- Human Factors and Ergonomics Society (HFES)
  - Forensics Professional
  - Perception and Performance
  - Product Design
  - Safety
- Institute of Industrial and Systems Engineers (IISE)
- International Code Council (ICC)
- National Association of Professional Accident Reconstruction Specialists (NAPARS)
- National Safety Council (NSC) #658753
- National Society of Professional Engineers (NSPE)
- Society of Automotive Engineers (SAE)
- Society of Manufacturing Engineers (SME)
- Toastmaster International (TI)
  - Competent Toastmaster (CTM)
  - Competent Leader (CL)
  - Advanced Leader (AL)
  - Advanced Toastmasters Bronze (ATM-B)
  - Advanced Toastmasters Silver (ATM-S)
  - Advanced Toastmasters Gold (ATM-G)
  - Distinguished Toastmaster (DTM)
  - President, July 2004 – June 2005

#### COURSEWORK/CONTINUING EDUCATION

October 2021 | “Certified XL Tribometrist Certification Program” Excel Tribometers, LLC, Tampa, FL

April 2021 | “Operator Safety Training - Sit-down Counter Balance Forklifts” Ring Power Lift Trucks, Orlando, FL

February 2021 | “Florida Laws and Rules (2021)” PDHLibrary.com

February 2021 | “2021 Ethics for Florida Engineers” PDHLibrary.com

December 2020 | “OSHA 10 Hour Outreach Training Program – General Industry” 360Training.com, Tallahassee, FL

December 2020 | "OSHA 10 Hour Outreach Training Program – Construction" 360Training.com, Tallahassee, FL

December 2020 | "Clients Are From Venus, Consultants Are From Mars" National Society of Professional Engineers, Alexandria, VA

December 2020 | "Dam Issues Caused by Industrial Exemptions" National Society of Professional Engineers, Alexandria, VA

December 2020 | "Drones: The Sky's the Limit" National Society of Professional Engineers, Alexandria, VA

December 2020 | "Emotional Intelligence for Engineers" National Society of Professional Engineers, Alexandria, VA

December 2020 | "Engineering Ethics: Conflicts of Interest and the Protection of the Public Health, Safety and Welfare" National Society of Professional Engineers, Alexandria, VA

December 2020 | "Ethics, Forensics and the PE" National Society of Professional Engineers, Alexandria, VA

December 2020 | "Engineering and Ethics: Serving as an Engineering Expert and Performing Forensic Engineering" National Society of Professional Engineers, Alexandria, VA

December 2020 | "Engineering Ethics: The Obligation to Conduct Themselves Honorably, Responsibly, Ethically and Lawfully" National Society of Professional Engineers, Alexandria, VA

December 2020 | "How Engineers Create Added Value" National Society of Professional Engineers, Alexandria, VA

December 2020 | "How Not to Fail as a Leader" National Society of Professional Engineers, Alexandria, VA

December 2020 | "Managing Risk Through Arbitration and Dispute Resolution" National Society of Professional Engineers, Alexandria, VA

December 2020 | "Role of the PE in Federal Waters" National Society of Professional Engineers, Alexandria, VA

December 2020 | "Text and Emails that Fuel Engineering Success" National Society of Professional Engineers, Alexandria, VA

December 2020 | "Professional Engineer's Role on Application of Artificial Intelligence and Technology" National Society of Professional Engineers, Alexandria, VA

December 2020 | "Winds of Changes – Electric Transmission" National Society of Professional Engineers, Alexandria, VA

July 2020 | "Tractor-Trailer Anatomy and Geometry" Quality Forensic Engineering, LLC, Tallahassee, FL

February 2020 | "Fundamentals of CDR Downloads" Quality Forensic Engineering, LLC, Tallahassee, FL

December 2019 | "Understanding Sanitary Wastewater Engineering" National Society of Professional Engineers, Alexandria, VA

December 2019 | "EJCDC Construction Series Documents" National Society of Professional Engineers, Alexandria, VA

December 2019 | "Architects & Engineers Claims Risk: Impact of Changing Technology and Inexperience" National Society of Professional Engineers, Alexandria, VA

December 2019 | "Engineering Ethics: Marketing, Communications, and Employment" National Society of Professional Engineers, Alexandria, VA

December 2019 | "Engineering Ethics: The PE and Sustainable Development" National Society of Professional Engineers, Alexandria, VA

December 2019 | "Advancing Your Career: Seven Essential Principles to Set Yourself Apart" National Society of Professional Engineers, Alexandria, VA

December 2019 | "Engineering Career Development: How to Manage and Retain the Future Workforce" National Society of Professional Engineers, Alexandria, VA

December 2019 | "Engineering Ethics: The PE as an Expert Witness" National Society of Professional Engineers, Alexandria, VA

December 2019 "Engineering Ethics: The PE and Domestic and International Gifts" National Society of Professional Engineers, Alexandria, VA

December 2019 | "Hurricane Engineering Response: Restoring Power to Puerto Rico" National Society of Professional Engineers, Alexandria, VA

December 2019 | "Qualifications-Based Selection (QBS) and Its Importance to Engineering and the Public" National Society of Professional Engineers, Alexandria, VA

December 2019 | "Prevention Through Design" National Society of Professional Engineers, Alexandria, VA

December 2019 | "License to Succeed: Compliance for Architecture, Engineering, and Construction Firms" National Society of Professional Engineers, Alexandria, VA

December 2019 | "Navigating Successful Project Delivery" National Society of Professional Engineers, Alexandria, VA

December 2019 | “Staying Relevant: The Lifelong Journey” National Society of Professional Engineers, Alexandria, VA

July 2019 | “Quality Up, Injuries Down: Using Failure Modes and Effects Analysis (FMEA) For a Safer Work Environment” National Safety Council and Cority, Tallahassee, FL

January 2019 | “Lean Behavior Based Safety” Environmental, Health, and Safety (EHS) Today, ProAct Safety, and Axonify

December 2018 | “Self-Driving Cars: An Examination of Ethical Issues at the Micro and Macro Scale” National Society of Professional Engineers, Alexandria, VA

December 2018 | “Public Health and Safety, Professional Selection, Advertising, and Expert Witness Testimony” National Society of Professional Engineers, Alexandria, VA

December 2018 | “Licensure Under Attack” National Society of Professional Engineers, Alexandria, VA

December 2018 | “Introduction to Microgrids for Commercial and Humanitarian Needs” National Society of Professional Engineers, Alexandria, VA

December 2018 | “How to Develop the Engineering Leader Inside of You” National Society of Professional Engineers, Alexandria, VA

December 2018 | “Growing Into a Strategic Role Within Your Company” National Society of Professional Engineers, Alexandria, VA

December 2018 | “Going Digital: Digital Signatures & Digital Document Delivery” National Society of Professional Engineers, Alexandria, VA

December 2018 | “Ethics and Engineering” National Society of Professional Engineers, Alexandria, VA

December 2018 | “Engineering Ethics: Signing and Sealing of Documents” National Society of Professional Engineers, Alexandria, VA

December 2018 | “Engineering Ethics: Objectivity and Truthfulness” National Society of Professional Engineers, Alexandria, VA

December 2018 | “Critically Thinking for Engineers” National Society of Professional Engineers, Alexandria, VA

December 2018 | “Closing the Soft Skills Gap in Engineering Practice” National Society of Professional Engineers, Alexandria, VA

December 2018 | “Best Practices to Communicate Clearly Through Writing” National Society of Professional Engineers, Alexandria, VA



December 2018 | "10 Strategies to Motivate, Inspire, and Engage Your Team" National Society of Professional Engineers, Alexandria, VA

June 2018 | "Biomechanics of Injury Causation" Florida Insurance Fraud Education Committee (FIFEC), Orlando, FL

June 2018 | "The Evolution of Self Driving Vehicles" Florida Insurance Fraud Education Committee (FIFEC), Orlando, FL

May 2018 | "Lock Out Tag Out versus Machine Guarding" Environmental, Health, and Safety (EHS) Today and Schmersal, Inc., Hawthorne, NY

April 2018 | "Operator Safety Training – Sit-down Counter Balance Forklifts" Ring Power Lift Trucks, Jacksonville, FL

March 2018 | "Safety Lockout System – An Alternative Isolation Method for LOTO" Environmental, Health, and Safety (EHS) Today and Pilz Automation Safety, Canton, MI

December 2017 | "Navigating the Legal Requirements Under OSHA's Revised Walking-Working Standard" Environmental, Health, and Safety (EHS) Today and Safety Products Group, Atlanta, GA

November 2017 | "Safety Light Curtains, Controls and Safety Distance" Society of Manufacturing Engineers and LINK Systems, Nashville, TN

November 2017 | "Machine Safeguarding and Its Impact on Alternative Methods to Lockout" Environmental, Health, and Safety (EHS) Today and Master Lock Safety Solutions, Milwaukee, WI

October 2017 | "Machine Guarding – Back to Basics" Environmental, Health, and Safety (EHS) Today and Pilz Automation Safety, Canton, MI

October 2017 | "Machine Safety or Productivity" Environmental, Health, and Safety (EHS) Today and New Equipment Digest, Hawthorne, NY

October 2017 | "Expert Deposition Preparation" Experts.com and Martinson & Beason, P.C.

October 2017 | "Engineering Ethics: Conflicts of Interest and Confidentiality Questions" National Society of Professional Engineers, Alexandria, VA

October 2017 | "Engineering Ethics: Licensure and Professional Practice Concerns" National Society of Professional Engineers, Alexandria, VA

October 2017 | "Key Concepts Engineering Ethics: Public Health and Safety/Communications" National Society of Professional Engineers, Alexandria, VA

October 2017 | "Real and Perceived Concerns About Hydraulic Fracturing" National Society of Professional Engineers, Alexandria, VA

October 2017 | “The Pending Robot (Drone) Revolution” National Society of Professional Engineers, Alexandria, VA

October 2017 | “Weathering the Storm: Hurricane Damage Prevention and Assessment” National Society of Professional Engineers, Alexandria, VA

October 2017 | “When Ethics Are Ignored: Lessons from Forensic Engineers” National Society of Professional Engineers, Alexandria, VA

October 2017 | “2016 Design-Build EJCDC Contract Documents” National Society of Professional Engineers, Alexandria, VA

October 2017 | “Building Your Pipeline of Success” National Society of Professional Engineers, Alexandria, VA

October 2017 | “Defining Roles and Risks for Engineers and Construction Managers” National Society of Professional Engineers, Alexandria, VA

October 2017 | “Engineering Ethics: Conflicts of Interest” National Society of Professional Engineers, Alexandria, VA

October 2017 | “Engineering Ethics: Employer/Employee Relations” National Society of Professional Engineers, Alexandria, VA

October 2017 | “Engineering Ethics: Misrepresentation” National Society of Professional Engineers, Alexandria, VA

October 2017 | “Ethics of Autonomous Vehicles: Who’s In the Driver’s Seat?” National Society of Professional Engineers, Alexandria, VA

October 2017 | “Future Trends in Engineering: Rail and Manufacturing” National Society of Professional Engineers, Alexandria, VA

May 2017 | “Inside Retail Store Safety” The TASA Group, Tallahassee, FL

July 2016 | “Faro 3D Scanning” Faro Technologies, Tallahassee, FL

June 2016 | “State of Art Vehicular Investigation and Reconstruction” Florida Defense Lawyers Association – Florida Liability Claims Conference, Orlando, FL

June 2016 | “Claim Investigation Trends and Expert Witness Challenges” Florida Defense Lawyers Association – Florida Liability Claims Conference, Orlando, FL

June 2016 | “Daubert in Florida: The Status of Florida Statute §90.702 in 2016” Florida Defense Lawyers Association – Florida Liability Claims Conference, Orlando, FL

May 2016 | “Electrical Safety: The Basics You Need to Know to Stay Compliant” EHS Today, Bolingbrook, IL

March 2016 | “Lock Out/Tag Out versus Machine Guarding” EHS Today, Cleveland, OH

March 2016 | “The Frugal Ergonomic Engineer” Institute of Industrial Engineers, East Hartford, CT

February 2016 | “A Practical Application of Risk Assessment on a Construction Project” American Society of Safety Engineers, Tampa, FL

February 2016 | “Public Liability: Fall Exposures and Controls” American Society of Safety Engineers, Tampa, FL

February 2016 | “Zero Harm: The Fourth Hierarchy of Control” American Society of Safety Engineers, Tampa, FL

February 2016 | “EHS Compliance – How to Keep Up in an Increasingly Regulated World” American Society of Safety Engineers, Tampa, FL

February 2016 | “From Safety Leader to Business Leader: Bridging the Gap” American Society of Safety Engineers, Tampa, FL

February 2016 | “The ANSI/ASSE Z15.1 Standard: Fleet Safety Management as an Operational Imperative” American Society of Safety Engineers, Tampa, FL

February 2016 | “The Impact of OSHA on Safety Education and Research” American Society of Safety Engineers, Tampa, FL

February 2016 | “OSHA’s Initiative to Protect Temporary Workers” American Society of Safety Engineers, Tampa, FL

February 2016 | “Tools to Ensure Effective Preparation and Testimony as an Engineering Professional” Florida Engineering Society, Tampa, FL

February 2016 | “Revised NIOSH Lifting Equation” Institute of Industrial Engineers, Norcross, GA

December 2015 | “Seven Secrets to Successful Negotiation” National Society of Professional Engineers, Alexandria, VA

December 2015 | “Ethics and Sustainable Development” National Society of Professional Engineers, Alexandria, VA

December 2015 | “Emerging Trends” Seismic Shifts Will Require More Than an Incremental Response” National Society of Professional Engineers, Alexandria, VA

December 2015 | “Designing for High Wind” National Society of Professional Engineers, Alexandria, VA

December 2015 | "Leading as an Engineering Responsibility" National Society of Professional Engineers, Alexandria, VA

December 2015 | "Ethics & Risk Management: When Trust Me Isn't Enough" National Society of Professional Engineers, Alexandria, VA

December 2015 | "Today's Three Greatest Risks in Green Design & Construction" National Society of Professional Engineers, Alexandria, VA

December 2015 | "Engineering Ethics: Technical Issues" National Society of Professional Engineers, Alexandria, VA

December 2015 | "How Effective Leaders Manage Conflict" National Society of Professional Engineers, Alexandria, VA

December 2015 | "Team Building Skills for Engineers" National Society of Professional Engineers, Alexandria, VA

December 2015 | "Engineering Ethics: Business Issues" National Society of Professional Engineers, Alexandria, VA

December 2015 | "The Pros and Cons of Using a Consultant" National Society of Professional Engineers, Alexandria, VA

December 2015 | "Career Transitions" National Society of Professional Engineers, Alexandria, VA

December 2015 | "Engineering Ethics: Professional Issues" National Society of Professional Engineers, Alexandria, VA

December 2015 "A Detailed Look at EJCDC's Newly Released P3-508 Form for Public-Private Partnerships" National Society of Professional Engineers, Alexandria, VA

June 2015 | "Dynamics of Slip/Trip/Fall, Associated Biomechanics & Applicable Standards and Technical Methods" Florida Defense Lawyers Association, Orlando, FL

April 2015 | "Operator Safety Training – Sit-down Counter Balance Forklifts" Ring Power Lift Trucks, Jacksonville, FL

January 2015 | "Florida Laws and Rules" Informed, Jacksonville, FL

June 2014 | "Energy Star: Benchmarking & the Role of Professional Engineers" National Society of Professional Engineers, Alexandria, VA

June 2014 | "Evolving Professional Bias" National Society of Professional Engineers, Alexandria, VA

June 2014 | "Cost Control" National Society of Professional Engineers, Alexandria, VA

June 2014 | “Leadership: What Matters Most” National Society of Professional Engineers, Alexandria, VA

June 2014 | “Primer for Engineering Philosophical Ethics” National Society of Professional Engineers, Alexandria, VA

June 2014 | “Historical Cases and Engineering Ethics” National Society of Professional Engineers, Alexandria, VA

June 2014 | “Contractual Indemnity and Other Poison Pills” National Society of Professional Engineers, Alexandria, VA

June 2014 | “Focus on Shop Drawings: Vital Link Between Design & Construction” National Society of Professional Engineers, Alexandria, VA

June 2014 | “Engineering Ethics – A Conversation about Conflicts of Interest Issues” National Society of Professional Engineers, Alexandria, VA

June 2014 | “Requirements for Your Next Green Project: Successfully Building Green in a Poor Economy” National Society of Professional Engineers, Alexandria, VA

June 2014 | “Professional Liability Risk Management Toolbox” National Society of Professional Engineers, Alexandria, VA

June 2014 | “Communicating Clearly” National Society of Professional Engineers, Alexandria, VA

June 2014 | “Engineering Ethics: A Conversation about Expert Witness and Engineering Review Issues” National Society of Professional Engineers, Alexandria, VA

June 2014 | “Lean Construction” National Society of Professional Engineers, Alexandria, VA

June 2014 | “Engineering Ethics: A Conversation About Business, Employment, and Licensure Issues” National Society of Professional Engineers, Alexandria, VA

June 2014 | “Integrated Design: The Reality of Sustainable Design” National Society of Professional Engineers, Alexandria, VA

November 2013 | “Florida’s New Expert Opinion Evidence Standard” Florida Workers’ Compensation Institute, Tallahassee, FL

April 2013 | ASSE 2013 Region IV Professional Development Conference American Society of Safety Engineers, Birmingham, AL

April 2013 | “Human Performance” American Society of Safety Engineers, Birmingham, AL

April 2013 | “Introduction to Machine Safety Risk Assessment” American Society of Safety Engineers, Birmingham, AL

April 2013 | "Communication and Values" American Society of Safety Engineers, Birmingham, AL

April 2013 | "Prevention Through Design: We Don't Get It Right the First Time" American Society of Safety Engineers, Birmingham, AL

April 2013 | "OSHA Update" American Society of Safety Engineers, Birmingham, AL

April 2013 | "Using ANSI Z-15 to Develop Safe Fleet Policies for Commercial & Agricultural Fleets" American Society of Safety Engineers, Birmingham, AL

January 2013 | "Certified XL Tribometrist Certification Program" Excel Tribometers, LLC, Jacksonville, FL

April 2012 | "Forklift Operation Refresher" BEC Consulting, Tallahassee, FL

February 2012 | "Engineers as Skilled Communicators" National Society of Professional Engineers, Alexandria, VA

February 2012 | "Project Launch, Audit, and Closure" National Society of Professional Engineers, Alexandria, VA

February 2012 | "Project Management: Do It Right" National Society of Professional Engineers, Alexandria, VA

February 2012 | "Avoid the Pitfalls of Green Design: Successfully Building Green in a Bad Economy" National Society of Professional Engineers, Alexandria, VA

February 2012 | "Being Right or Being Effective Can Make or Break Your Engineering Career" National Society of Professional Engineers, Alexandria, VA

February 2012 | "BIM Legal 2010: Challenges & Opportunities in the Use of Building Info Modeling Project Delivery" National Society of Professional Engineers, Alexandria, VA

February 2012 | "Business Development: How to Succeed in the New Economy" National Society of Professional Engineers, Alexandria, VA

February 2012 | "Engineering Ethics: What Do Millennials, GenXers and Boomers Think" National Society of Professional Engineers, Alexandria, VA

February 2012 | "Ethics Forum: Keeping Financing and Marketing on Track in a Downturn" National Society of Professional Engineers, Alexandria, VA

February 2012 | "Ethics Forum: Promoting an Ethical Workplace in an Economic Storm" National Society of Professional Engineers, Alexandria, VA

February 2012 | "Ethics Forum: Staying True to Client Expectations and the Public Interest" National Society of Professional Engineers, Alexandria, VA

February 2012 | “Health, Safety and Welfare: The Social Responsibility of Construction Quality Assurance” National Society of Professional Engineers, Alexandria, VA

February 2012 | “Project Scheduling and Schedule Compression” National Society of Professional Engineers, Alexandria, VA

February 2012 | “The Fundamentals of Finance and Accounting for Engineers” National Society of Professional Engineers, Alexandria, VA

February 2012 | “When Green Becomes Code: Do Buildings Get Better or Do Lawyers Get Richer?” National Society of Professional Engineers, Alexandria, VA

December 2011 | “Winning QBS Strategies” National Society of Professional Engineers, Alexandria, VA

December 2011 | “Solving the Risk in Green Design” National Society of Professional Engineers, Alexandria, VA

December 2011 | “Qualifications-Based Selection Process Under Attack” National Society of Professional Engineers, Alexandria, VA

December 2011 | “Ethics Forum: Access to Client Information and Public Safety” National Society of Professional Engineers, Alexandria, VA

December 2011 | “Ethical Engineering” Concepts and Challenges” National Society of Professional Engineers, Alexandria, VA

December 2011 | “Engineering Leadership: What, Why, How” National Society of Professional Engineers, Alexandria, VA

December 2011 | “EJCDC, Consensus DOCS and AIA” National Society of Professional Engineers, Alexandria, VA

December 2011 | “Communicating Technical Ideas Persuasively” National Society of Professional Engineers, Alexandria, VA

December 2011 | “A Sustainable Approach to Planning and Design” National Society of Professional Engineers, Alexandria, VA

December 2011 | “The New Ethics and Compliance Rules for Contractors” National Society of Professional Engineers, Alexandria, VA

December 2011 | “Negotiating for Success” National Society of Professional Engineers, Alexandria, VA

December 2011 | “How to Start Your Own Firm” National Society of Professional Engineers, Alexandria, VA

December 2011 | "Engineering Ethics and Fair Trade: Ethics of Agreements" National Society of Professional Engineers, Alexandria, VA

December 2011 | "Engineering Ethics and Fair Trade: Employment Practices" National Society of Professional Engineers, Alexandria, VA

December 2011 | "Engineer's Duty to Report" National Society of Professional Engineers, Alexandria, VA

July 2011 | "ARAS 360 3D Computer Diagramming for Crash Reconstruction" ARAS 360 Technologies Inc., Tallahassee, FL

June 2011 | "Safe Operation of Powered Industrial Truck" BEC Consulting, Tallahassee, FL

December 2009 | "OSHA Panel Discussion on Slip, Trips, and Falls" American Society of Safety Engineers, Park Ridge, IL

December 2009 | "Surefooted Safety: Training Strategies for Preventing Slips, Trips, and Falls" American Society of Safety Engineers, Park Ridge, IL

December 2009 | "Management Controls: Operating and Maintaining Facilities to Minimize Slips, Trips, and Falls" American Society of Safety Engineers, Park Ridge, IL

December 2009 | "Footwear: Design, Maintenance, Programs, and Testing/Selection" American Society of Safety Engineers, Park Ridge, IL

December 2009 | "Floor Cleaning and Maintenance: The Key to Slips and Falls Prevention" American Society of Safety Engineers, Park Ridge, IL

December 2009 | "Slips, Trips, and Falls in the Industrial Sector" American Society of Safety Engineers, Park Ridge, IL

December 2009 | "Slips, Trips, and Falls in the Construction Industry" American Society of Safety Engineers, Park Ridge, IL

December 2009 | "Architectural Best Practices for Preventing Slips, Trips, and Falls" American Society of Safety Engineers, Park Ridge, IL

December 2009 | "Using a Behavior-Based Safety Program to Decrease Slip, Trip and Fall Incidents" American Society of Safety Engineers, Park Ridge, IL

December 2009 | "When Slips, Trips, and Falls Aren't Accidental – Managing Fraud" American Society of Safety Engineers, Park Ridge, IL

December 2009 | "Slips, Trips, and Falls in the Service Industry" American Society of Safety Engineers, Park Ridge, IL



December 2009 “Investigating Slip, Trip and Fall Mishaps” American Society of Safety Engineers, Park Ridge, IL

December 2009 | “Slips, Trips and Falls: Perspectives from the Insurance Industry” American Society of Safety Engineers, Park Ridge, IL

December 2009 | “Lessons Learned Investigating Slip, Trip, and Fall Accidents” American Society of Safety Engineers, Park Ridge, IL

December 2009 | “Slip, Trips and Falls: Best Practices and Standards” American Society of Safety Engineers, Park Ridge, IL

November 2009 | “Photogrammetry in Accident Reconstruction” Jacksonville Claims Association, Jacksonville, FL

May 2008 | “Lift Truck Operator Safety Training” Ring Power Lift Truck, Midway, FL

March 2008 | “Accident Reconstruction” Northwestern University Center for Public Safety, Tallahassee, FL

March 2008 | “Vehicle Crush Documentation – Use and Analysis of Total Station Survey Data” BEC Consulting, LLC, Tallahassee, FL

March 2008 | “Evidence Inspection, Documentation, Analysis and Preservation” BEC Consulting, LLC, Tallahassee, FL

January 2008 | “VIN Decoder and AutoStats” BEC Consulting, LLC, Tallahassee, FL

October 2007 | “Your Skills as an Engineering Consultant” BEC Consulting, LLC, Tallahassee, FL

September 2007 | “PhotoModeler – Vehicle Measurements” BEC Consulting, LLC, Tallahassee, FL

August 2007 | “Rules of Evidence, Daubert, Fry, and Kuhmo” BEC Consulting, LLC, Tallahassee, FL

August 2007 | “Human Factors, Perception and Reaction” BEC Consulting, LLC, Tallahassee, FL

July 2007 | “Energy Analysis in Accident Reconstruction” BEC Consulting, LLC, Tallahassee, FL

July 2007 | “Seat Belts in Accident Reconstruction” BEC Consulting, LLC, Tallahassee, FL

July 2007 | “AirBag “Black Box” and “Black Box” Downloads” BEC Consulting, LLC, Tallahassee, FL

July 2007 | “AllData Information and Uses in Accident Reconstruction” BEC Consulting, LLC, Tallahassee, FL

July 2007 | “Bulb Filament Analysis in Accident Reconstruction” BEC Consulting, LLC, Tallahassee, FL

July 2007 | “Air Bag Testing” BEC Consulting, LLC, Tallahassee, FL

July 2007 | "Accident Reconstruction Methodology and Documentation" BEC Consulting, LLC, Tallahassee, FL

May 2007 | "Workplace Safety and OSHA Compliance" National Seminars Group, Tallahassee, FL

May 2007 | "Inspection of Vehicles" BEC Consulting, LLC, Tallahassee, FL

May 2007 | "Conservation of Momentum (Linear and Angular) in Accident Reconstruction" BEC Consulting, LLC, Tallahassee, FL

May 2007 | "Vehicle Evidence Analysis and Documentation" BEC Consulting, LLC, Tallahassee, FL

May 2007 | "Principles of Accident Reconstruction" BEC Consulting, LLC, Tallahassee, FL

May 2007 | "Inspection of Vehicles" BEC Consulting, LLC, Tallahassee, FL

May 2007 | "Forensic Engineering, Accident Reconstruction Theory, and Basic Equations of Motion" BEC Consulting, LLC, Tallahassee, FL

April 2007 | "Research Techniques for Forensic Analysis" BEC Consulting, LLC, Tallahassee, FL

April 2007 | "Preparation for Deposition and/or Trial Testimony from the Engineering Point of View" BEC Consulting, LLC, Tallahassee, FL

June 2006 | "Exploring the Effects of Globalization on Engineering in America" BEC Consulting, LLC, Tallahassee, FL

February 2006 | "Measurement and Documentation of Vehicle Crush" BEC Consulting, LLC, Tallahassee, FL

January 2006 | "Analysis of Collisions Involving Pedestrians or Bicycles" BEC Consulting, LLC, Tallahassee, FL

November 2005 | "Electricity in the Forensic World and Accident Reconstruction" BEC Consulting, LLC, Tallahassee, FL

October 2005 | "Occupant Restraint Failures in Accidents" BEC Consulting, LLC, Tallahassee, FL

June 2005 | "Fork Lift Driver's Training" Risk Consultants, Inc., Tallahassee, FL

April 2005 | "PC Crash 6.2" MacInnis Engineering Associates Ltd, Tallahassee, FL

February 2005 | "Research Techniques for Forensic Analysis" BEC Consulting, LLC, Tallahassee, FL

December 2004 | "OSHA 1 Hour General Industry Outreach Training Program" BEC Consulting, LLC, Tallahassee, FL

October 2004 | "PC Crash – How is it useful in Accident Reconstruction" BEC Consulting, LLC, Tallahassee, FL

June 2004 | "MathCAD and Excel – Use in Accident Reconstruction Calculations" BEC Consulting, LLC, Tallahassee, FL

April 2004 | "Analysis of Collisions Involving Pedestrians or Bicyclists" Collision Safety Institute, Tallahassee, FL

April 2004 | "Accident Reconstruction Methodology and Calculations - Preparation for Accreditation Commission for Traffic Accident Reconstruction (ACTAR) Certification" BEC Consulting, LLC, Tallahassee, FL

February 2004 | "Inertial Unlatch of Occupant Restraints During Accidents – Investigation and Testing" BEC Consulting, LLC, Tallahassee, FL

February 2004 | "Accident Reconstruction Involving Tractor Trailers" BEC Consulting, LLC, Tallahassee, FL

December 2003 | "Crash Data Retrieval System" BEC Consulting, LLC, Tallahassee, FL

July 2003 | "Digital Photographs and their Use in Accident Reconstruction" BEC Consulting, LLC, Tallahassee, FL

June 2003 | "Occupant Restraint Systems in Accident Reconstruction" BEC Consulting, LLC, Tallahassee, FL

November 2002 | "Certified Fire and Explosion Investigator Training" (2 Class Series) BEC Consulting, LLC, Tallahassee, FL

September 2002 | "Motor Vehicle Accident Reconstruction with Emphasis in Biomechanics (for Lynn University)" (3 Class Series) BEC Consulting, LLC, Tallahassee, FL

July 2002 | "10 Hour OSHA Course in General Industry Safety and Health" BEC Consulting, LLC, Tallahassee, FL

June 2002 | "Occupant Restraint System Designs and Defects" BEC Consulting, LLC, Tallahassee, FL

May 2002 | "Accident Reconstruction" Northwestern University Center for Public Safety, Tallahassee, FL

May 2002 | "Advanced Trial Advocacy Program: Expert Witness" The Florida Bar, Gainesville, FL

April 2002 | "Truck Safety Inspection Program, Safety Management Councils" Florida/Georgia Trucking Associations, Valdosta, GA

January 2002 | "Accident Reconstruction Involving Motorcycles" BEC Consulting, LLC, Tallahassee, FL

November 2001 | "Accident Scene Documentation – Use and Analysis of Total Station Survey Data" BEC Consulting, LLC, Tallahassee, FL

## PUBLICATIONS

Campbell, Traci. "Industrial Engineers – A Good Weapon in Your Expert Witness Arsenal." *The Verdict*. Spring 2007.

Campbell, Traci. "Slip and Fall – Is This a Real Accident?" *Briefings*. 8(2) (2007): 3.

## PRESENTATIONS

Campbell, Traci. "Slips, Trips, and Falls: Awareness and Avoidance", Quality Forensic Engineering Accredited Class for Continuing Education

January 28, 2021 Central Florida Trial Lawyers Association

February 10, 2021 Farah & Farah (multiple sites)

February 16, 2021 Morgan & Morgan (Miami, FL)

February 25, 2021 Alabama Defense Lawyers Association

March 3, 2021 Tampa Bay Trial Lawyers Association

March 25, 2021 Pajcic & Pajcic (Jacksonville, FL)

March 29, 2021 Guilday Law (multiple sites)

Campbell, Traci. "Electronic Data: What's Out There and How Can You Use It", Big Bend Paralegal Association, Tallahassee, FL, April 13 2018.

Campbell, Traci. "Electronic Data: What's Out There and How Can You Use It", Big Bend Paralegal Association, Tallahassee, FL, May 12, 2016.

Campbell, Traci. "Slips, Trips, and Falls: Awareness and Avoidance", American Society of Safety Engineers 2016 Region IV Professional Development Conference, Tampa, FL, February 26, 2016.

Campbell, Traci. "Safety After the Fact: Engineering Hierarchy in Reality", American Society of Safety Engineers 2013 Region IV Professional Development Conference, Birmingham, AL, April 4, 2013.

Campbell, Traci. "Photogrammetry in Accident Reconstruction." Jacksonville Claims Association – Continuing Education Course (1 CEU), Jacksonville, FL, November 17, 2009.

Campbell, Traci. "OSHA Helpful Hints." BEC Consulting, LLC, Tallahassee, FL, December 5, 2007.

Campbell, Traci. "Accident Reconstruction Part IV – Energy and EBS Calculations." BEC Consulting, LLC, Tallahassee, FL. June 20, 2007.

Campbell, Traci. "Industrial Engineers – A Good Weapon in Your Expert Witness Arsenal." The Academy of Florida Trial Lawyers 2005 Winter Ski Seminar, Vail, CO, December 15, 2005.

Campbell, Traci. "Slip, Trip and Fall – What an Engineer Can Do for You." Institute for Continuing Legal Education, Atlanta, GA, October 14, 2005.

Campbell, Traci. "Slip, Trip and Fall – What an Engineer Can Do for You." Mealy's Retail Liability Conference, Las Vegas, NV, December 2004.

#### PATENTS & PATENTS PENDING

Booeshaghi, Farhad, Charles E. Benedict, Stephen R. Corbett, Christian A. Yates, Mohammad R Vaghar, and Traci K. Campbell. "Pivotal Guards for Power Hand Tools with Rotating Discs." U.S. Patent No. 6,699,114, filed April 26, 2002, and issued March 2, 2004.

*12/2021*