Curriculum Vitae

Chris Bloomberg, PE, CCO, CCPA

Profession: Mr. Bloomberg is a consulting engineer specializing in digital forensics and the reconstruction of vehicular collisions. Since 1993, he has analyzed in excess of two thousand accidents involving cars, tractor-trailers, pedestrians, bicyclists, motorcycles, heavy trucks, etc. He has considerable experience downloading and analyzing leading edge digital forensics data from tractor-trailer and automobile electronic data recorders (ECM, EDR, SDM, ACM, CDR, black boxes, etc.), cell phones and smartphones, video event data recorders (DriveCam, SmartDrive, etc.), heavy truck telematics systems (Qualcomm, PeopleNet, etc.), Garmin and other personal GPS based devices, ABS systems (Bendix, Wabco, etc.), and numerous other devices. Mr. Bloomberg applies his expertise by inspecting and documenting the condition of braking systems on tractor-trailers and heavy trucks in order to determine their existing braking capability and applying that to the specifics of a particular collision. In addition, Mr. Bloomberg utilizes his expertise in smartphone forensics to evaluate various issues in vehicular collisions, such as driver distraction from using a smartphone to make calls, send texts, use apps, surf the internet, etc. as well as determining vehicle speed from smartphone GPS location data, and numerous other issues.

Testimony: Mr. Bloomberg has been qualified as an expert in more than 60 trials and has testified more than 180 times in depositions in his 25 year career in this field. Mr. Bloomberg has been qualified as an expert in trial in Florida, Alabama, Mississippi, and Georgia. He has been qualified in both state and federal courts.

Licensure: Professional Engineer, State of Florida, License Number 55695
Professional Engineer, State of Alabama, License Number 23356

Certifications: Certified Physical Analyst, Cellebrite, Smartphone Forensics
Certified Operator, Cellebrite, Smartphone Forensics

Education: *The University of Alabama at Birmingham,* Birmingham, AL
1986 to 1990 - Bachelor of Science in Materials Engineering, *Cum Laude*
1991 to 1992 - Graduate Studies in Materials Engineering

Experience: *Bloomberg Consulting, Inc.* - Pensacola, FL
2000 to present - President and Consulting Engineer

Benedict Engineering Company, Inc. - Tallahassee, FL
1998 to 1999 - Vice President of Engineering and Accident Reconstructionist
1996 to 1999 - Accident Reconstructionist and Manager of the Pensacola Office
1993 to 1996 - Accident Reconstructionist

Experience: *The University of Alabama at Birmingham* - Birmingham, AL
1991 to 1992 - Undergraduate Class Instructor and Materials Testing Consultant

Process Equipment Company - Birmingham, AL
1990 to 1991 - Design and Safety Analysis

The University of Alabama at Birmingham - Birmingham, AL
1989 to 1990 - Research for NASA Space Shuttle Projects
1989 to 1990 - Materials Testing Consultant

Professional Associations:

- National Society of Professional Engineers
- National Association of Professional Accident Reconstruction Specialists
- Society of Automotive Engineers
- American Society for Testing and Materials
- Florida Engineering Society
- ASM International
- Phi Kappa Phi
- Tau Beta Pi
- Alpha Sigma Mu

Training:

- Ongoing Accident Reconstruction Training – Since 1993, Mr. Bloomberg has analyzed hundreds of SAE technical papers, crash tests, and other leading edge research in the field of engineering and accident reconstruction.
- Event Data Recorder in Traffic Crash Reconstruction: Update and Advanced Analysis Techniques, *Ruth Consulting,* Navarre, FL
Advanced Smartphone Forensics, *SANS Institute*, Baltimore, MD
- Certified Physical Analyst, *Cellebrite* Smartphone Forensics, Montgomery, AL
- Certified Operator, *Cellebrite* Smartphone Forensics, Montgomery, AL
- World Reconstruction Exposition, *WREX*, Orlando, FL
- Faro 3D Laser Scanning, *FARO*, Orlando, FL
- Traffic Accident Reconstruction, *Northwestern University*, Evanston, IL
- Commercial Vehicle Accident Reconstruction, *Texas A & M*, Denton, TX
- Heavy Trucks Course, *Michigan State University*, New Orleans, LA
- Extracting and Analyzing Data from Electronic Control Modules, *Detroit Diesel Training Center*, Detroit, MI
- Electronic Technician for On Highway Trucks, *Caterpillar Training Center*, Birmingham, AL
- How to Interpret Commercial Vehicle Event Data Recorders, *University of Tulsa*, Tulsa, OK
- Highway Event Data Recorder Symposium (Vehicle "Black Box" Systems), *National Transportation Safety Board,* Ashburn, VA

Accident Reconstruction ♦ EDR "Black Box" Analysis ♦ Rapid Response Inspections ♦ Biomechanics & Injury Causation

- Crash Data Analyst Certification (Vehicle "Black Box" Systems), *Collision Safety Institute,* Houston, TX
- Crash Data Analyst Certification (Vehicle "Black Box" Systems), *Collision Safety Institute*, Atlanta, GA
- Crash Data Analyst Certification (Vehicle "Black Box" Systems), *Collision Safety Institute,* New Orleans, LA
- Crash Data Analyst Certification (Vehicle "Black Box" Systems), *Crash Data Specialists*, Hattiesburg, MS
- Crash Data Retrieval Conference, *ARC Network*, Dallas, TX
- Crash Data Retrieval Conference, *ARC Network*, Houston, TX
- HTTG Commercial Vehicle Brake Testing, *Transportation Research Center*, East Liberty, OH
- Commercial Vehicle Braking Systems, *Society of Automotive Engineers*, Detroit, MI
- Heavy Truck Air Brake Systems, *Bendix*, Denver, CO
- Vehicle Drivetrains, *Society of Automotive Engineers*, Detroit, MI
- ARAS 360 HD Advanced Computer Diagramming and Animation, *ARAS 360*, Gulf Breeze, FL
- HVE-3D Computer Simulations – HVE Forum, *Engineering Dynamics*, Las Vegas, NV
- HVE-3D Computer Simulations – HVE Forum, *Engineering Dynamics,* San Francisco, CA
- HVE-3D Computer Simulations – HVE Forum, *Engineering Dynamics,* Miami, FL
- HVE-3D Computer Simulations – HVE Forum, *Engineering Dynamics,* Phoenix, AZ
- HVE-2D Computer Simulations, *Northwestern University*, Tallahassee, FL
- Injuries, Anatomy, Biomechanics, and Federal Regulations, *Society of Automotive Engineers*, Detroit, MI
- Biomaterials, *University of Alabama at Birmingham*
- Emergency Collision Avoidance, *Labatt's Test Track*, Toronto, Canada
- Human Factors, *Catair Conference*, Toronto, Canada
- Human Factors for Traffic Accident Reconstruction, *University of Massachusetts, Amherst*, MA
- Commercial Vehicle Inspection, *Florida Trucking Association*, Jasper, FL
- Defensive Driving Strategy, *National Safety Council*, Tallahassee, FL