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**ERIC S. SHAPIRO, A.S.E.**  
**Accredited Traffic Accident Reconstructionist**  
**Master Automotive Technician**  
**Qualified Federal Court**  
**Qualified Superior Court**

**SPECIALIZATION: TRAFFIC ACCIDENT RECONSTRUCTION**  
**AUTOMOTIVE MALFUNCTIONS and DYNAMICS**  
**MOTORCYCLE MALFUNCTIONS and DYNAMICS**  
**MECHANICAL MALFUNCTIONS**  
**WARRANTY CLAIMS**  
**STANDARD OF CARE**

**EDUCATION AND CERTIFICATIONS**

- ACTAR (Accreditation Commission for Traffic Accident Reconstruction) #1813
- A.S.E. (Automotive Service Excellence) certified Master Automotive Technician (fourth re-certification)
- A.S.E. (Automotive Service Excellence) certified in refrigeration recovery
- Allen Test Products certified in advanced engine diagnosis
- Motor publications certified in Asian carburetion diagnosis
- Chrysler certified in engine management diagnosis
- Interstate Batteries certified in battery technology and testing
- Saab certified in ABS braking systems and turbo charging systems
- Trained in Bosch fuel injection
- Continuing education in computer sciences with emphasis in Cisco and Microsoft networking certifications
- Two years at San Diego State University and Mesa College in Electrical Engineering

## **EXPERIENCE**

### **Automotive/Motorcycle/Mechanical Analyst/Accident Reconstruction,**

John Fiske Brown Associates, Inc. (1996 to present)

Complete examination of automobiles or other motor vehicles including mechanical, hydraulic, and electrical systems. Inspection of crash damage. Determination of crash mechanics. Analysis of vehicle's history of repairs and the standard of care given the vehicle. Determination of the causes of problems leading to accident or warranty claim.

### **Service Manager, Mission Valley Chevron (1999 to 2002)**

Responsible for direct customer contact, diagnosis and repair of difficult automobile problems; personnel, advertising, payroll, scheduling, and general facility management.

### **Technician, Randy's Foreign Car Clinic (1998-1999)**

Responsible for troubleshooting and repair of mechanical, hydraulic and electrical systems of automobiles.

### **Technician, T. Roos German Car (1997-1998)**

Responsible for troubleshooting and repair of mechanical, hydraulic and electrical systems of Mercedes Benz, BMW and Volkswagen automobiles.

### **Lead Technician, Service Writer, Tom's Master Mechanics (1988-1997)**

Primary responsibilities, all phases of automotive diagnostics and repair. Secondary responsibilities, meeting with customers, assessing their needs and relating needs to the staff. Tom's Master Mechanics was acknowledged by AAA as one of the top 3% of automobile repair facilities in the greater San Diego region.

### **Technician, Rancho Saab and San Diego Saab (1986-1988)**

Responsible for troubleshooting and repair of mechanical, hydraulic and electrical systems of automobiles.

### **Lead Technician, Assistant Manager, The Checkered Flag (1984-1986)**

Responsible for troubleshooting and repair of mechanical, hydraulic and electrical systems of automobiles, customer contact, parts procurement, facility management.

### **Retail Sales, Minor Repairs, Clairemont Cycle Supply (1979-1983)**

Sold accessories for aftermarket retail outlet. Changed tires, constructed control cables and performed motorcycle repairs.

## **RELATED SKILLS AND QUALIFICATIONS**

- 20 years experience as an A.S.E. Master Automotive Technician
- 28 years experience troubleshooting and repairing automobiles
- Manufacture/re-manufacture parts and tools as required by specific job goals
- Analytical approach to automotive repairs and how they affect customer satisfaction
- Familiar with IBM, Windows and Macintosh operating systems; have constructed personal computers and networks
- Experienced in direct customer service sales to guarantee customer satisfaction
- Working knowledge of Tracs (NAPA) and TRAXX (Scott Proffit Systems) software
- Performed as a Process Server for 6 months in early 1980's while in college.

## **PUBLICATIONS**

Article, "Did the Brakes Really Fail?" *The Adjuster*, San Diego Insurance Adjusters Association, February 2003. Published in the "Tips" section of *Import Service* (Jan. 1993), *Motorcyclist* (Aug. 1994), and *Cycle* (May 1976) magazines. Article, "Latest Effect on Fatalities by ABS Equipped Motorcycles" *The Daily Transcript* (July 2010).

*Motorcycle Accident Reconstruction and Litigation*, 4<sup>th</sup> Ed., Published 2007  
Co-author with Kenneth S. Obenski, Paul F. Hill, Jack C. Debes, Ph.D., Lawyers & Judges Publishing Co., Tucson, AZ.

*Motorcycle Accident Reconstruction and Litigation*, 5<sup>th</sup> Ed., Published 2010  
Co-author with Kenneth S. Obenski, Paul F. Hill, Jack C. Debes, Ph.D., Lawyers & Judges Publishing Co., Tucson, AZ.

## **MOTORCYCLE EXPERIENCE**

### **Off-road:**

Started at age 13 and continue off-road riding.  
Have ridden frequently in Baja, Mexico.  
Participated in Dual-Sport events sponsored by the American Motorcyclist Assoc.

### **On-road:**

Licensed continuously since age 18 (1977) in California.  
Have accumulated greater than 275,000 miles on public roads.

### **Road-race:**

Raced on closed road circuits from 1989 to 1996.  
Regularly participate in "Track Day" events.  
Hold current road racing license.  
Have belonged to the American Roadracing Association (**ARRA**), Willow Springs Motorcycle Club (**WSMC**) and currently with the American Historic Racing Motorcycle Association (**AHRMA**).  
Received motorcycle rider training from **ARRA**.  
Received motorcycle rider training from **WSMC**.  
Have been safety marshal 3 years with **California Superbike School**.  
Assisted instructors at **California Superbike School** in identifying riding skills of students. In addition, analyzed accidents at the school to aid student instruction.  
Engineered components for racing motorcycles.

### **Riding Instructor:**

With Veloce Trackdays (Velocetrackdays.com) to advance motorcycle riders' skill sets that will improve their ability to safely operate a motorcycle.

Performed routine and complex mechanical services on Engine, Transmission, Drivetrain, Brakes, Wheels/Tires, Steering, Electrical and Control systems on various brands of motorcycles.

## **Current Affiliations:**

Member of the American Motorcyclist Association (**AMA**).  
Member of Red Hot Riders (**RHR**) motorcycle club  
Board Member at Large for the Forensic Consultants Association (**FCA**)  
Member of Southwestern Association of Technical Accident Investigators (**SATAI**)  
Member of Forensic Expert Witness Association (**FEWA**)  
Member of National Association of Professional Accident Reconstruction Specialist, Inc. (**NAPARS**)

## **Continuing Education:**

### **SATAI conference – July 16-17, 2004**

Staged collision #23 / Crash Test Reconstruction / Friction Measuring Devices  
Collision Reconstruction; Criminal vs. Civil / The Role of the CDR in  
Reconstruction

### **SATAI conference – November 5-6, 2004**

Commercial Vehicle Post-Collision Mechanical Inspections / Commercial  
Vehicle Standards & Rules / Commercial Event Data Recorders

### **SATAI conference – July 15-16, 2005**

Staged Collision #24 / Applicability of Crush Analysis Formulas  
Crash Test Reconstruction / Crush – Force Balancing in Collision Reconstruction

### **SATAI conference – November 5-6, 2005**

Pedestrian Collision Reconstruction / Pedestrian Collision Vehicle Inspections /  
Motorcycle Reconstruction / Bicycle Crash Test Analysis / Change, Updates to  
CDR's / Forensic Software Review / Reconstruction Animation

### **SATAI conference – July 13-14, 2007**

Crash test Sequence #26 / Crash Test Presentation / Heavy Truck Crash  
Reconstruction / Air Brake Systems on Commercial Vehicles / Low Speed  
Bumper to Bumper vs. Bumper to Hitch Collision Analysis

### **SATAI conference – November 2-3, 2007**

Appropriate Application of Momentum Analysis / Common Errors in  
Determining Post-Impact Trajectories

### **SATAI conference – July 11-12, 2008**

Crash Test Sequence #27 / Crash Test Presentation / Business Protocol  
Current Trends in Pedestrian Reconstruction

### **SATAI conference – Oct 31-Nov 1, 2008**

Critical Speed Yaws / Rotational Mechanics  
Pole Analysis / Analysis of Airborne Vehicles

### **SATAI conference – March 13-14, 2009**

Motorcycle Braking Abilities / Motorcycle Crush Analysis  
Crash Avoidance / Motorcycle Safety / Evaluating Motorcycle Rider Response

### **SATAI conference – Nov 6-7, 2009**

Aftermarket Components & the EDR / EDR Discrepancies  
Stiffness Data Research / & Calculations / Experts & Lawyers in the Courtroom

### **SATAI conference – Nov 5-6, 2010**

Monte Carlo Analysis Methods Applied to Crash Reconstruction  
Vehicle Off-Tracking Applied to Crash Reconstruction  
Advanced Digital Photography for Accident Reconstruction  
Using Garmin GPS in Heavy Trucks

### **Institute of Police Technology and Management, University of Florida-April, 2006**

Speed Analysis for Traffic Accident Investigation.

### **Northwestern University Center for Public Safety – January 29-February 2, 2007**

Traffic Accident Reconstruction II

### **IWitness Close Range Photogrammetry Training – December 15-17, 2008**