

# GLOBAL SOLUTIONS

P.O. Box 5586  
El Dorado Hills, CA 95762  
(916) 939-7107

**Russell E. Darnell, Ph.D.**

## *List of Court Qualifications 1974-2009*

Motorcycle racing on-road/off-road	ATV accident reconstruction
Motorcycle riding on-road/off-road	ATV racing
Motorcycle safety on-road/off-road	ATV riding
Motorcycle riding with passenger	ATV testing
Motorcycle accident reconstruction	Materials handling science
Motorcycle design	Brain injury mechanism
Motorcycle testing on-road/off-road	Brain injury thresholds in impacts
Motorcycle mechanics and repair	Brain injuries- inertial
Motorcycle valuation	Trailer accident reconstruction
Motorcycle training (instruction)	Trailer testing and design
ATV training (instruction)	Machinist
ATV repair	Fires cause and origin
ATV failure analysis	Master Technician
ATV transmission design	OEM vs counterfeit auto parts
OEM vs after-market parts, components, systems	
ATV design	Motorcycle and ATV fire investigation
Motocross racing, riding, teaching, testing	Marine accident reconstruction
Racetrack design, construction, maintenance, safety	
Off highway vehicle park design and construction	
Warning signs and placement of same	Photography
Motorcycle failure analysis	Photographic forensic analysis
Automobile accident reconstruction	Electrical systems troubleshooting
Automobile restraint systems	Heavy equipment
Safety Engineering	Construction tools
Bicycle accidents	Videographic forensic analysis
Mechanism of injuries reconstruction	Hand tools- use and safety
Automobile failure analysis	Bus accident reconstruction
Recreation vehicle accident	Tire skid analysis
Scooters- electric, engine, self powered	Tire failure analysis
Heavy truck accident reconstruction	Automobile racing on-road/off-road
Automobile clutches and transmissions	Product warnings
Tire testing	Equipment guards
Tire research and development	Barriers and catch fences
Mechanical Engineer	Patent Cases
Engineering Management	