

**ROGER EDMUND CLARK - MECHANICAL ENGINEER - CONSULTING ENGINEER**

**REGISTERED PROFESSIONAL ENGINEER (CA) -- QUALITY ENGINEERING -- NO. QU003381 -- JUNE 1978**

**AREAS OF EXPERTISE**

**RECONSTRUCTION OF ACCIDENTS**

Automobiles and Light Trucks  
Heavy Trucks and Tractor-Trailers  
Construction Equipment  
Recreational Vehicles  
Commercial Vehicles  
Bicycles and Motorcycles  
Pedestrian Accidents

**MECHANICAL FAILURE ANALYSIS**

Brake Systems  
Steering Systems  
Suspension Components  
Restraint System Components  
Motor Vehicles and Trailer Fires  
Product Liability Evaluations  
Industrial Accidents

**WORK EXPERIENCE**

1952-1958 - Ford Motor Company -- Aircraft Engine Division, Chicago -- Manufacturing Test Engineer in Mechanical Testing Laboratory - Member of Material Review Board. Mechanical testing of materials and components used in the manufacture of reciprocating and jet engines.

1958-1974 - Magnaflux Corporation -- Materials Testing Laboratories, Los Angeles -- 1958-Project Engineer; 1962-Department Supervisor; 1967-Laboratory Manager. Responsible for operation of Chemical, Mechanical, Metallurgical Laboratories, and Accident Reconstruction Group. Handled Failure Analysis requiring Mechanical Engineering expertise.

1974-1975 - G. Thomas Cornwell & Associates -- Vice-President and General Manager of a small corporation specializing in Aircraft Accident Reconstruction. Handled assignments requiring Mechanical and Materials Engineering expertise.

1975 to Present - ROGER CLARK ASSOCIATES -- Founder & Owner of a Consulting Engineering firm specializing in Accident Analysis and Reconstruction. Through 1997, investigated over 3,500 accidents, and appeared as an Expert Witness in over 100 Trials and more than 200 Arbitrations.

**UNIVERSITY EDUCATION**

1947-1952 - University of Rochester -- Rochester, New York: Bachelor of Science - Mechanical Engineering Minor Studies; Metallurgy, Physics, and Electrical Engineering.

April 1976 - University of Southern California -- 80-Hour course - Motor Vehicle Accident Investigation, classroom and skid pad; performed handling, skid, and braking tests for evaluation of vehicle dynamics. Included barrier crash test evaluations; witnessed and studied crash test of a motorcycle vs. automobile.

1976-1982 - University of Southern California -- Institute of Safety & Systems Management -- Advanced Degree program - Master of Science in SAFETY. Completed six of ten required courses: Dynamics of Safety in the Modern Society; Investigation of Accidents; Human Factors in Accident Causation; Technical Aspects of Motor Vehicle Safety; Structural Safety and Failure Analysis; and System Safety Engineering.

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**CONTINUING EDUCATION**

1989 - University of North Florida Extension -- Investigation of Seat Belt/Child Restraint Injuries - 16-Hour course studying Seat Belt Design, Operation and Limitations -- Methods of Determining Usage.

1989 - Independent Crash Tests -- Replicate Collision of 1978 Ford LTD vs. 1985 Chevrolet Sprint.

1990 - BMW Skip Barber Racing School -- Advanced Driving School - High Performance Vehicles - Two-day course at Willow Springs Raceway.

March, 1991 - Southwestern Association of Technical Accident Investigators -- Two-day Conference - San Diego, Human Factors - Perception-Reaction Experiments.

March, 1992 - Southwestern Association of Technical Accident Investigators -- Two-day Conference - San Diego, Collision-Related Injuries - Low-Speed Crash-Test Results - Insurance Fraud, particularly 'Staged' Accidents.

June, 1993 - Independent Crash Tests -- Low-Speed, Rear-End, and Broadside Automobile Collisions. Participated as driver of struck vehicles. Vehicle accelerations recorded - Occupants' movements videotaped.

**PROFESSIONAL AFFILIATIONS**

American Society for Metals (ASM)

American Society of Mechanical Engineers (ASME)

Association for the Advancement of Automotive Medicine (AAAM)

National Society of Professional Engineers (NSPE)

Society of Automotive Engineers (SAE)

Southwestern Association of Technical Accident Investigators (SATAI)

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