

ROBERT S. ARNOLD, P.E.

Consulting Engineer, Mechanical and Automotive

YEARS OF EXPERIENCE: 53

EDUCATION

Bachelor of Science, Mechanical Engineering, University of Pittsburgh, 1955

Graduate Study, Automotive Engineering, Chrysler Institute of Engineering, 1956-57

M.B.A, Management, Economics, University of Detroit, 1979

REGISTRATIONS

Professional Engineer:

Michigan, #13057, Texas, #101845

LICENSES AND CERTIFICATIONS

Certified Accident Reconstructionist, ACTAR #953

AFFILIATIONS

Society of Automotive Engineers (SAE)

American Society of Mechanical Engineers (ASME)

Texas Association of Accident Reconstruction Specialists (TAARS)

American Society of Agricultural and Biological Engineers

Sigma Tau (Engineering Society)

ARC Network

PROFESSIONAL EXPERIENCE

EFI Global, Consulting Mechanical and Automotive Engineer, 1993 – Present

Motor Vehicle Manufacturers Association, Director of Safety & International Department, 1991 – 1992

Chrysler Corporation, Test & Development Engineer/Engineering Coordinator, 1955 – 1970; Product Analyst, 1970 – 1973; International Staff Engineer, 1973 – 1983; Senior Engineer, 1983 – 1989; Regulatory Planning Specialist, 1989 - 1991

PROFESSIONAL SUMMARY

Mr. Arnold has over fifty-three years of experience in mechanical and automotive engineering, analysis, and technical administration, including project and general management, product testing and development, regulatory analysis, compliance and consultation, accident reconstruction, and failure and damage investigation.

COURT QUALIFICATIONS

Expert Witness: Vehicle Design & Injury Potential, U.S. District Court, Southern District of Texas

Fact Witness: Evidence Presentation, U.S. District Court, Western District of Louisiana

Expert Witness: Accident Reconstruction & Investigation Analysis, Vehicle Damage & Injury Potential Analysis; State, County & District Courts – Louisiana, Maryland, Massachusetts, Michigan, New York, Texas

Expert Witness: Vehicle Emissions Capability, District Court, Louisiana

COURSES INSTRUCTED / GUEST LECTURER

Accident Investigation & Reconstruction Procedures

Forensic Photography

SPECIALIZED EDUCATION

Pump Design & Applications, Fluid Fundamentals, Volk & Assoc., 2011

TAARS Conference & Vehicle Braking Demonstrations, TAARS, 2010

Crash Data Retrieval User's Summit, ARC Network, 2010

TAARS Conference & Accident Reconstruction Seminar, TAARS, 2008

SAE Commercial Vehicle Braking Seminar, SAE, 2008

TAARS Conference & Accident Investigation Seminars, TAARS, 2006

TAARS Conference & Safety Seminars, TAARS, 2005

TAARS Conference & Safety Testing, TAARS, 2003

ARC/CSI Accident Reconstruction Conference, ARC, 2003

Accident Reconstruction and Automotive Safety Seminars, SAE, 2003

TAARS Conference & Safety Seminars, TAARS, 2003

TAARS Conference & Accident Investigation Seminars, TAARS, 2002

Accident Reconstruction and Automotive Safety Seminars, SAE, 2001

WREX 2000 Accident Reconstruction Conference, International Cooperative of Accident Reconstructionists, 2000

Accident Reconstruction and Automotive Safety Seminars, SAE, 2000

Accident Reconstruction and Automotive Safety Seminar, SAE, 1999

CRASH '98, Collision Reconstruction Conference, Texas A&M University, 1998

SPECIALIZED EDUCATION (continued)

TAARS Conference & Safety Seminars, TAARS, 1998

Accident Reconstruction and Automotive Safety Seminar, SAE, 1998

TAARS Conference & Low Speed Impact Demonstration, TAARS, 1997

Analysis of Low Speed Collisions, Texas A&M University, 1996

Low Speed Collision Workshop, SAE, 1996

Biomechanics for Traffic Accident Reconstruction, Texas A&M University, 1996

Pedestrian & Bicyclist Accident Reconstruction, Texas A&M University, 1995

Commercial Vehicle Inspection & Accident Investigation, Texas A&M University, 1994

Advanced Accident Investigation, Texas A&M University, 1994