

**Curriculum Vitae: Dr. Arthur Eckstat**  
**Most cases settled on the basis of Preliminary Expert Report**

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**Education**

- 1968      **Bachelor of Science, Mechanical Engineering (BSME)**  
Detroit Institute of Technology  
Detroit, Michigan
- 1985      **Master of Business Administration (MBA)**  
University of Phoenix  
Phoenix, Arizona
- 2002      **Doctor of Business Administration (DBA)**  
Nova Southeastern University  
Ft. Lauderdale, Florida

**Continuing Education** including:

- The Engineers Role and Responsibility in Product Safety, sponsored by Society of Automotive Engineers (SAE) and American Society of Mechanical Engineers (ASME)
- Gas Turbine Technology
- NAFI National Fire, Arson & Explosion Investigation Training Program
- NRA sponsored Gunsmith School
- Total Quality Management and Leadership including “Train the Trainer”
- Six Sigma Quality Methods

**Employment**

- 1968 - 1998      AlliedSignal Aerospace (Honeywell)  
(Retired)      Phoenix, Arizona  
Multiple Engineering & Engineering Management positions

Thirty years in Project Management with experience in gas turbine engine and system design, development, certification, manufacture, installation, maintenance, testing, troubleshooting, forensic investigation, and customer support. Responsibilities included representing AlliedSignal in relations with aircraft and ground support equipment manufacturers, airlines, US and foreign military customers, maintenance and repair organizations, and US and foreign regulating authorities, e.g., Federal Aviation Administration. Presented papers, lead conferences and workshops, and performed training in the US and abroad.

Chaired multi-disciplinary team responsible for reporting the effects of gas turbine engine emissions on air quality.

Certified Total Quality Management (TQM) trainer with experience in the implementation of business improvement processes.

**Special Recognition - August 1997**

Honored as a “Contributor to Aviation History” by Don Engen, Director of the Smithsonian National Air & Space Museum, during a ceremony at the museum in Washington, DC.

1967 - 1968      Continental Aviation & Engineering  
                         Detroit, Michigan  
                         Diesel engine Development & Test Engineer

**Self-Employment**

2000 - present    Consultant and Expert Witness  
                         Mesa, Arizona

Consultant and Expert Witness on a wide variety of Consumer and Industrial Products including appliances, automotive products, firearms, household products, sporting goods, valves and watercraft. Certified fire investigator. Clientele includes consulting firms, individuals, law firms and US Consumer Product Safety Commission.

AZ State Supreme Court certified Defensive Driving Instructor.

1998 - present    GTS Global Turbine Specialists  
                         Mesa, Arizona  
                         Founder and President  
                         Consultant and Expert Witness in the Gas Turbine Engine Industry

Past clientele includes Honeywell (AlliedSignal) Aerospace Academy, FAA-authorized aircraft engine repair facilities, and law firms.

1997 - present    Personal Bridges to Teamwork  
                         Mesa, Arizona  
                         Co-founder and President  
                         Consultant and Trainer

Designed and developed workshops in the areas of Gender Communication, Team Building and Communication, Continuous Improvement, Customer Communication, Change Management and Conflict Management.

1979 - 1992      Accurate Firearms Repair  
Phoenix, Arizona  
Owner  
Gunsmith

Brought an engineer's insight to the practice of firearms repair and modifications. Specialized in the troubleshooting, repair and enhancement of small arms. Developed an international reputation among competitive target shooters for achieving innovations and superior quality and reliability in modifications of rifles and handguns used for competition and hunting.

### **Publications**

January  
2003      **An Investigation Into The Relationships Between Psychological Sex Role, Management Experience, And Preferred Interpersonal Conflict Style/Strategy In The Workplace.**  
UMI Number 3069474 Doctoral Dissertation

September  
1998      **Mixed-sex Team Communication: Avoiding Negative Conflict.**  
IEEE-USA 1998 Professional Activities Conference Proceedings

Winter  
1995      **Sex and Gender Differences in Leadership.**  
The Journal of Leadership Studies (co-author)

### **Certifications**

- Certified Fire and Explosion Investigator (NAFI CFEI)
- Federally Licensed Gunsmith
- Arizona Defensive Driving Instructor
- Arizona Substitute Teacher

### **Professional Affiliations**

- American Gunsmithing Association
- American Society of Mechanical Engineers (ASME)
- National Association of Fire Investigators (NAFI)
- SAE International (Society of Automotive Engineers)
- Sigma Beta Delta International Honor Society

**Keywords:**

Accidents, Acoustics, Aerospace engineering, Aircraft environmental control systems, Aircraft safety, Airline, Airworthiness, Airworthiness requirements and compliance, Appliances, Automobiles, Auxiliary Power Units (APU), Aviation, Ballistics, Bicycles, Boats, Boating accidents, Business consulting, Cabin air quality, Co-generation, Construction equipment, Consulting, Consumer products, Contract negotiation and compliance, Controls, Corrosion, Defects, Design defects, Documentation, Driver training, Electrical devices and products, Engineering, Engines, Equipment, Failure analysis, Federal Aviation Administration – FAA, Fires, Firearms design & safety, Firearm malfunctions, Forensic investigation, Garden equipment, Gas turbine engines, Guns, Gunsmithing, High-speed machinery, Household products, Industrial machines, Industrial products, Injury, Investigation, Lubrication, Machinery, Machine design, Manufacturing engineering, Materials analysis & testing, Mechanical engineering, Mechanical systems analysis, Mixed-sex work teams & training, Motorcycles, Motor vehicle systems & equipment, OSHA, Parts Manufacture Approval - PMA, Personal injury, Personal protective devices, Piping, Plumbing, Portable power tools, Power plants, Product development and testing, Product liability, Product support, Project management, Quality control, Repair shop practices, Safety, Safety systems, Seals/leakage, Shooting accidents, Six Sigma, Sporting goods, Superalloys, Training, Troubleshooting, Trucks, Turbomachinery, Valves, Vibration, Warning, guarding & labels, Warranty adjudication, Watercraft, Weapons, Workplace communication, Workplace safety