



## **Professional Affiliations/Honors National Society of Professional Engineers**

National Society of Professional Engineers  
Member

Missouri Society of Professional Engineers  
Member

American Society of Safety Engineers  
Professional Member

Human Factors & Ergonomics Society  
Member

## **Further Education**

“2008 National Electrical Code”, National Technology Transfer Inc., Reno, NV,  
August 2010

“Human Factors Methods,” October 1989, Rice University

“Noise Measurement Techniques,” January 1974, University of Wisconsin

“Fault Tree Analysis,” July 1975, University of Oklahoma

“Application of Human Factors Principles to the Investigation of Human Factors in Work  
Accidents,” October 1989, Rice University

“Potential Failure Mode & Effects Analysis in Design and Development,” September  
1990, Sponsored by Society of Automotive Engineers

“Safety Engineering Review,” October 1990, Milwaukee School of Engineering

“Human Factors Engineering,” July 1991, University of Michigan

“Writing Manuals, Procedures and Documentation,” July 1992, University of Michigan

“Warnings, Labels & Product Packaging: Design & Compliance,” July 1992, University  
of Michigan

“Safety Management: Fundamental Concepts,” May 1995, ASSE

“Safety Management: Program Management and Evaluation,” May 1996, ASSE

“Occupational Hearing Conservation,” April 22, 1998, Illinois Association of  
Occupational Health Nurses

“Building Electrical Inspection,” October 19, 2000, National Technology Transfer, Inc.

“Achieving World-Class Safety” Symposium, March 25-26, 2004, American Society of Safety Engineers

“Electrical Machines and Control”, EE301, University of Missouri – Rolla. August – December, 2004

”OSHA 30-Hour Program for General Industry” National Safety Council Occupational Safety and Health Services Unit, November 3-10, 2006, San Diego, CA.

National Fire, Arson, and Explosion Investigation Training Program,” NAFI and NFPA, March 9<sup>th</sup>-12<sup>th</sup>, 2009.

## **Standards Committees and Organizations**

### Current Committee Activity

- American National Standards Institute, ASC O1 Committee Chairman, “Safety Standards for Woodworking Machinery”
- National Fire Protection Association, NFPA 79 Committee Member, “Electrical Standards for Industrial Machinery”

### Past Committee Activity

- Portable Power Equipment Manufacturers Association (PPEMA)  
Engineering Committee, 1973 - 1980  
Chairman, 1974 - 1975
- Consumer Product Safety Commission (CPSC)  
Human Factors and Engineering Committees  
Joint Project for Chain Saw Safety Standards, 1978 - 1980
- Northwest Forest Fire Standards Development Committee  
1976 - 1978 (approx.)
- Canadian Standards Association (CSA)  
Alternate member - Chain Saw Safety Standards, 1974 – 1980
- American National Standards Institute (ANSI)  
Member or alternate for Chain Saw Safety Standards (B71.1)1975 – 1980  
Lawn Mower Safety Standards 1985 – 1988  
Woodworking Machinery (O1.1)
- Underwriters Laboratories (UL)  
Alternate member, advisory committee for Chain Saw Safety Standards 1975-80  
Advisory committee for lawn mower safety standards, 1985–1988  
Advisory committee for stationary power tools  
UL Standards Technical Panel 745, Power Tools and Machines
- Power Tool Institute (PTI)

- Product Liability Coordinators Committee, Chairman, 1993 – 1994  
Industry Labeling & Standards Harmonization  
Member of Review Council
- State Agencies of France, Germany, England, Sweden, Japan  
Advisor or Consultant on Chain Saw Safety
- Consultant to members of chain saw safety committees sponsored by United Nations such as Food and Agriculture Organization (FAO), International Labor Organization (ILO), International Standards Association (ISO), and European Common Market (ECE)

## **Positions Held**

Engineering Systems Inc., O'Fallon, Missouri  
Principal, January 2009 to present  
Vice President, February 2000 to January 2009

North Court Engineering, Inc., Florissant, Missouri  
Product Safety Consultant, 1994 - 2000

Emerson Electric Co., Special Products Division, Hazelwood, Missouri  
Director of Product Safety, 1988 - 1994

Aircap Industries, Inc., Tupelo, Mississippi  
Corporate Manager of Product Reliability, Director of Consumer Services  
Director of Corporate Services, Director of Product Development, 1985 - 1988

Self -Employed, Shreveport, Louisiana and Dallas, Texas  
Product Safety Consultant, 1980 - 1985

Emerson Electric Co., Beard-Poulan/Weedeater Division, Shreveport, Louisiana  
Supervisor of Engineering Laboratories  
Engineering Manager of Safety and Standards, 1973 - 1980

AMF Beard, Inc., Shreveport, Louisiana  
Acoustical Engineering Aide, 1969 - 1973

## **Publications**

“Magnetic Starters - How Foolproof Are They?” Better Homes and Gardens Wood magazine, Issue No. 115, June 1999, page 14

“Put a Stop to Drill-Press Spin,” Better Homes and Gardens Wood magazine, Issue No. 113, March 1999, page 18

“Clean Cutting With A Miter Saw,” Better Homes and Gardens Wood magazine, Issue No. 109, November 1998, page 12

“Safe Ways to Saw Small Pieces,” Better Homes and Gardens Wood magazine, Issue No. 106, June 1998, page 16

“Table Saw Table Topics: Play It Safe With Add-Ons,” Better Homes and Gardens Wood Magazine, Issue No. 104, March 1998, page 20

“But I Saw It on TV...,” Better Homes and Gardens Wood magazine, Issue No. 97, June 1997, page 78

“Wiring Your Shop,” Better Homes and Gardens Wood magazine, Issue No. 95, February 1997, page 66

“Kickback: Don’t Let It Happen to You,” Better Homes and Gardens Wood magazine, Issue No. 91, October 1996, page 83

“What Your Owner’s Manual Can Do for You,” Better Homes and Gardens Wood magazine, Issue No. 82, October 1995, page 84

“Fumes, Fires, Sawdust, and Kickback,” Better Homes and Gardens Wood Magazine, Issue No. 119, December 1999, page 24

“Safe Starting with a Gouge,” Better Homes and Gardens Wood Magazine, Issue No. 122, March 2000, page 15

“Spring Cleaning Strategies for Your Shop,” Better Homes and Gardens Wood Magazine, Issue No. 124, Page 55

### **Presentations**

“The impact of Wood Dust Regulations”, Stiles Education, Executive Briefing Conference, Dallas, TX - March 1, 2010

“Controlling Wood Dust”, Sustainable Forest Futures, Innovation Workshops, Utica, NY (June 2, 2010), Glen Falls, NY (June 3, 2010), Augusta, ME (June 7, 2010), Concord, NH (June 8, 2010), Montpelier, VT (June 9, 2010).

### **Power Tool User Manuals**

Household products. All Craftsman and Emerson brand ceiling fans, whole house fans and humidifiers from late-1988 through mid-1994

Stationary Power Tools, all Craftsman brand Radial Arm Saws, Table Saws, Power Miter Saws, Scroll Saws, Wood Lathes, Jointer/Planers, Shapers, Belt/Disk Sanders, Drill Presses, Vacuum-Shredder-Baggers, Shop Vacuums from late-1988 through mid-1994

Snow Blowers, gasoline and electric powered, all models manufactured by Aircap Industries, Inc. from 1985 through 1988

Lawn Mowers, walk-behind gasoline and electric, all models manufactured by Aircap Industries, Inc. from 1985 through 1988

Trimmers, Brushcutters, portable and/or back-pack leaf blowers, all models for Weedeater and Weedwacker brands from 1976 through 1980. All brands manufactured by Aircap Industries, Inc. from 1985 through 1988

Gasoline Powered Chain Saws, all models for Poulan, Craftsman and Beaird-Poulan/Weedeater manufactured brands.