

C.V.

J. NIGEL ELLIS, Ph.D., CSP, P.E., CPE

www.FallSafety.com/expert Fall Safety Litigation Support

www.FallSafe.com Fall Protection Engineering

DSC Companies:

**Ellis Fall Safety Solutions. LLC
Ellis Litigation Support (dba DSC)
Ellis Ladder Improvements, Inc.**

**dsc@FallSafety.com
els@FallSafety.com
eli@FallSafety.com**

**306 Country Club Drive
Wilmington, DE 19803
302-571-8470 ext 121**

Dr. J. Nigel Ellis, CSP, P.E., CPE

Dr. J. Nigel Ellis is a leading authority in the field of industrial and construction fall protection. He is President of DYNAMIC SCIENTIFIC CONTROLS (DSC), Divisions of DSC include: Ellis Fall Safety Solutions, a consulting firm specializing in fall hazard control planning, engineering and training. Ellis Litigation Support and Ellis Ladder Improvements (ELI).

He is former Chief Executive Officer of RESEARCH & TRADING CORPORATION (RTC) of Wilmington, Delaware producers of an extensive line of industrial fall protection, controlled descent and confined entry rescue systems.

A Board Certified Safety Professional (CSP) by examination 1984, Dr. Ellis is the 109th Fellow and Professional Member of the American Society of Safety Engineers (ASSE) with memberships in the Construction and Consultant Divisions. In 2011 he has been awarded the ASSE Thomas F. Bresnahan Standards Medal for voluntary standards participation. He is also a Distinguished Service to Safety Award winner in 2009 and member of the National Safety Council (NSC) and is Chairman of the NSC Construction Division. In addition, a member of the Human Factors & Ergonomics Society and Past President of the Veterans of Safety (VOS), Dean of Ambassador (VOS), www.vetsofsafety.org

Dr. Ellis is a Registered Professional Safety Engineer in the States of California and Massachusetts. He is a Board Certified Professional Ergonomist (CPE) 1994,(human factors specialist) and he is also a National Academy of Forensic Engineers (NAFE), CESB Board Certified Fellow in Forensic Engineering. (Council of Engineering Specialty Boards).

Over three decades, Dr. Ellis has helped develop Occupational Safety & Health Administration (OSHA) standards on fall protection, emergency egress and confined space safety. He has testified at OSHA hearings on fall protection in the Oil and Gas Well Drilling and Servicing industry, Exterior Building Maintenance, Construction, General Industry and Confined Space Standards. He provides expert witness services to OSHA in fall protection cases and also testifies in product liability cases

Dr. Ellis has been a member of the following ANSI, ASME, ASTM, SAE, and ISO committees and groups:

Z359	Personal Fall Protection (General Industry) and several sub-committees including the following:
Z359.0	Definitions and Nomenclature Used for Fall Protection and Fall Arrest
Z359.1	Safety Requirements for Personal Fall Arrest Systems, Subsystems, and Components
Z359.2	Minimum Requirements for a Comprehensive Managed Fall Protection Program

Z359.3	Safety Requirements for Positioning and Travel Restraint Systems Former Chairman
A10	Construction & Demolition Operations Committee and several sub-committees including:
A10.32 (A10.14)	Fall Protection Systems for Construction & Demolition Operation
A10.22	Rope-Guided and Non-guided Worker's Hoists – Safety Requirements
A10.28	Work Platforms Suspended from Cranes or Derricks – Safety Requirements
A10.43	Confined Spaces in Construction
A10.48	Communication Tower Erection
A14.3	Ladder – Fixed – Safety Requirements
Z117.1	Confined Space Safety Requirements (Gen. Industry)
A120	Building Exterior Maintenance Safety Requirements
I-14.1	International Window Cleaning Association (IWCA) Window Cleaning Safety Standard

American Society of Testing Material (ASTM)

E06.51.25	Skylight Human Impact Resistance Committee, Co-Chair
E06.77	High-Rise Building External Evacuation Devices
F08.16	Archery Products (Hunting Tree Stands)
F13	Pedestrian/ Walkway Safety and Footwear
ASME	Steel Stack Access
SAE J185	Access Systems for Off-Road Machines
ISO TC94/SC4	International Fall Protection/ANSI TAG

National Safety Council (NSC) member:

NSC	Construction Division, chairman 2012-2014
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Nigel Ellis Expertise: 40 Years safety and human factors experience: Registered Safety Engineer CA/MA, Certified Safety Professional, Certified in Human Factors, scientist, author of textbooks and numerous articles on safety and hazard recognition; labels warnings and instructions expert; safety consulting business development, business agreements relating to safety requirements, safety assessments, developer of safety appliances including ladder improvements, patent holder: safety solutions, developer of safety procedures, eliminator and controller of workplace walking/working hazards,. He typically applies safety principles to potential incidents of sudden energy release that potentially cause injury and property damage. Dr. Ellis' extensive networking in the industry has brought him within reach of many leading experts in related specialties. Dr. Ellis is not only an expert in the performance of fall devices, his also expert in the placement of these devices for optimal use. This includes scaffolds, towers, roofs, etc.

CURRICULUM VITAE

WORK EXPERIENCE

- 2005 – Present** **President, Ellis Litigation Support, Div. of DSC**
Consult with and assist counsel in personal injury litigation related to falls.
- 2005 – Present** **Management Member, Ellis Fall Safety Solutions, LLC, Div. of DSC**
Fall Protection assessment, engineering, installation and training in the workplace.
- 1985 – 2004** **President, Dynamic Scientific Controls, Inc. (DSC)**
Safety Consulting Firm; corporate and OSHA consultation for elevated work safety policy, programs and training, planning of feasible work methods and safety engineering of the workplace. Site visit evaluation of work practice and fall hazard exposure. Fall protection engineering consultant on-site for turnaround, construction and process.
Fall protection training classes conducted nationwide.
DSC subsidiary Ellis Fall Safety Solutions LLC (EFSS) for Consulting and Training and includes Ellis Fall Protection Engineering Division (EFPE), and encompasses the Ellis Fall Protection Institute (training), and Ellis Ladder Improvements Inc. (ELI) DSC is the parent of Ellis Litigation Support Services (ELS) (dba).
- 1986 - 1996** **C.E.O., Research & Trading Corporation (RTC)**
Safety Equipment Manufacturer. Safety engineering and design of RTC-manufactured fall arrest products into the workplace, including human factors, engineering of labels and warning information systems.
- 1970 - 1986** **President, Research & Trading Corporation (RTC)**
Safety Equipment Wholesaler and Manufacturer;
Systems for fall protection and emergency escape from elevated workstations to be engineered into the workplace or buildings.
- 1968 - 1970** **Sales Rep., Addressograph Multigraph**
Vartyper Division; typesetting systems for newsletters, reports, engineering drawings, educational and training audio visual facilities.

1967 - 1968

Research Chemist, DuPont Company

The research and development of high temperature, high strength, fire-retardant thermoplastics for industrial engineering applications.

EDUCATION

CERTIFICATION: Board Certified Safety Professional

Specialty: 1. Management Aspects 1984
2. Comprehensive Practice 1992
3. Construction Safety 1994

Certificate Number 7266

Board of Certified Safety Professionals, BCSP, Savoy IL

Vol. recertification phase approved 1990. Formally recertified 1992-20011 (NOTE: CSP curriculum including but not limited to mathematics, chemistry, physics, engineering, applied mechanics, structural design, ergonomics, industrial hygiene, fire prevention/protection, electrical hazards, job hazard analysis, facilities and equipment design, behavioral sciences, safety program planning, legal and regulatory requirements, disaster planning, epidemiology, environmental hazards - full curriculum and maintenance of certification submitted upon request).

Board Certified Professional Ergonomist (1994)

Certificate Number 675

Board of Certification in Professional Ergonomics,
BCPE, Bellingham WA

Fall curriculum and maintenance of certification 2010 submitted upon request

OSHA Trainer: Fall Arrest Systems 6/91, 9/91, 5/92, 7/92, 4/94

NAFE Fellow, CESB Board Certified Diplomate in Forensic Engineering by NAFE, Certificate Number 485F

National Academy of Forensic Engineers 2/9/94

Hawthorne NY

CESB is the Council of Engineering Specialty Boards

LICENSING

Registered Professional Engineer

Safety Engineering, License #SF003342

Issue Date 1/29/93

Board of Registration for Professional Engineers and Land Surveyors, State of California

Registered Professional Engineer

Safety Engineering, License #37299
Issue Date 3/26/93
Board of Professional Engineers and Land Surveyors; State of
Massachusetts

UNIVERSITY

Ph.D., Photochemical Processes

Manchester University, England (1966)

The research of sunlight-induced reactions of common chemicals to produce complex industrial chemicals and pharmaceuticals by more economical engineering means.

M.Sc., Chemistry

Manchester University, England (1964)

Curriculum included advanced mathematics, physics and physical chemistry.

B.Sc. Honours, Chemistry

Manchester University, England (1963)

Curriculum included advanced mathematics and organic, inorganic and physical chemistry and physics.

M.S. Industrial Engineering and Safety "program practically complete (2007-)

Auburn University, Occupational Biomechanics,

Engineering Economics, Lean Production

Partial completion for requirements of M.S. degree

HIGH SCHOOL

Acklam Hall Grammar School

Middlesbrough, England (graduated 1960)

ADDITIONAL TRAINING

"Human Factors" ASSE Consultants Division course by Alphonse Chapanis, Ph.D. 1988 and ASSE Construction Division Course (1988)

"Slip and Fall" Seminar, National Academy of Forensic Engineers, National Society of Professional Engineers conference 1989

"The Management Course" American Management Associations (four weeks) 1980

"Multimedia Standard First Aid Certificate", American Red Cross 1985

Engineer-in-Training Review Course, University of Delaware, Oct 1990 - April 1991

Architect-Engineer Liability, Cambridge Ins. 1/91

Scaffold Erection and Safety 40 hours Course - Purdue University, Dept of Construction Technology, Calumet, IN 8/91

OSHA Fall Arrest Systems Course 6/91, 9/91, 5/92, 7/92, 4/94

Agency Remedies Courses and Writing, Delaware Law School 6-7/93

Philo "21 hour course "Third Party case development 9/93, 9/94, 9/96, 9/97, 9/99, 9/01, 09/02

Full Radiation Worker trained and indexed (NRC) 6/94

Human Factors Engineering Course, University of Michigan 8/94 (40 hours)

OSHA 10-Hour Construction Course (National Safety Council) 1/97

Daubert Challenges to Forensic Engineering and Scientific Methodologies NAFE 06/07

SEAK Annual National Expert Witness Conference, Cape Cod, MA 06/21-22/07

Standard First Aid, Certificate, American Red Cross of Alaska 2009

SEAK 18th Annual National Expert Witness Conference, Chicago, IL 06/10

Competent Person, Hands On, Design & Loading, and Suspended Four Day "Train-The-Trainer"

Scaffold Training Institute. League City, TX 07/18-21/11

Other Experience:

ISFP Founding Member and Co-Chair of Program Committee for Symposium 2000, Orlando, FL

International Society for Fall Protection (ISFP) Board Member 1988-Present

Jewish Community Center (Wilmington, DE) Safety Director 2006-2009

ASSE Engineering Practice Specialty Newsletter By-Design 2006-2008

ASSE Assistant Administrator Engineering Practice Specialty Newsletter 2007-

2009

Patents:

Dr Ellis holds numerous patents on fall-related devices and techniques obtained throughout his career.

8,316,611 B2 Portable Safety Skylight Replacement Assembly
8,122,673 B2 Portable Safety Skylight Replacement Assembly
7,992,681 Portable ladder assembly
7,527,461 Safety rail assembly
6,619,428 Walk-through ladder
6,347,685 Walk-through ladder
6,095,283 Walk-through ladder
4,538,703 Climbing aid and safety descent system
4,458,781 Climbing aid and safety descent device
4,392,555 Fall protection device
8,251,179 B2 Portable Safety Ladder Assembly

PUBLICATIONS

- November 2012 Three-Point Control Analysis & Recommendations for Climbing Ladders, Stairs & Step Bolts
Professional Safety Magazine
- October 2012 Walk On The Wild Side Fall Equipment selection for Nik Wallenda stroll across the Horseshoe Falls, Niagara Falls, NY
ISHN Magazine
- July 2012 Fall Protection for Nik Wallenda's crossing of the Horesshoe Falls, Niagara Falls
Modern Safety
- August 2011 Three Point Control: Analysis and Recommendations
American Society of Safety Engineers, ByDesign Newsletter
Engineering Practice Specialty
- Nov 2009 Skylight Safety in the U.S.
American Society of Safety Engineers, By-Design Newsletter
Engineering Practice Specialty
- Nov 2009 Status of Skylight Safety
American Society of Safety Engineers, The Compass Newsletter
Management Practice Specialty
- May 2008 Recognizing and Responding to Catastrophic Fall Exposures During Truck and Trailer Tarping Operations
Professional Safety Magazine
- February 2008 Assessing Your Fall Protection
The Grey House, Safety & Security Directory
- February 2008 Supermarket Safety
The Grey House, Safety & Security Directory
- November 2007 Drivers Endangered When Covering Truck Loads
BNA, Inc. Reporter
- September 2007 Recognizing and Responding to Catastrophic Fall Exposures During Truck and Trailer Tarping Operations
Professional Safety Magazine

March 2006	Fall Protection Is All About Engineering American Society of Safety Engineers, By-Design
October 2005	Previously Unknown Fall Hazard Kills Workers Compliance Magazine
September 2005	Design Objective: Think Safety Architecture Magazine
August 2005	Fall Protection Traps that Workers can't avoid ENR Magazine
August 2005	Forensic Engineering Analysis of Nail Extraction Force in Failed Barrier National Academy of Forensic Engineers Vol. XXXII No. 1
June 2005	Don't Cut Off Fall Protection Equipment When Stabilizing The Injuries of Fall Patients Fire Engineering magazine
February 2005	Fall Protection Program Guidelines The Grey House, Safety & Security Directory
February 2005	The Benefits of Engineered Fall Protection The Grey House, Safety & Security Directory
April 2004	Fall Protection Compliance and Solutions Construction Safety Management and Engineers American Society of Safety Engineers
February 2004	Assessing Your Fall Protection The Grey House, Safety & Security Directory
February 2004	Fall Protection Program Guidelines The Grey House, Safety & Security Directory
June 2003	Open and disguised holes lead to injury and death www.plantengineering.com
March 2003	Fall Protection and Anchorages Compliance Magazine
March 2003	Engineered Anchorages Trend Continues for Greater Safety Compliance Magazine

March 2003	Engineered Anchorages Trend Continues for Greater Safety Lifting & Transportation International
July 2002	Ask the Expert, Fall Protection Compliance Magazine
July 2002	Predicting Injurious Events Occupational Health & Safety Magazine
March 2002	Safe Anchorage Point Key to Effective Fall Harness BNA, Inc. Reporter
February 2002	Ask the Experts Fall Protection Compliance Magazine
February 2002	Fall Protection Standards Similar for OSHA, ANSI Questions & Answers Safety & Health
December 2001	Playing The Game Of Fall Protection Welding Means Fall Hazards The World Of Welding
August 1999	Steel Erection and Related Activities Occupational Health & Safety Magazine
July 1999	Take Control of Fall Hazards Safety & Health Magazine
July 1999	Update on Fall Protection Standards Professional Safety Magazine
June 1999	Using Safety Awards to Promote Fall Prevention Occupational Hazards
September 1998	Reviewing Fall Protection in General Industry Compliance Magazine
March 1998	Warning! Check Harness Designs for Proper Protection Compliance Magazine
January 1998	The Belt for Fall Protection is Prohibited! ISHN Magazine
July 1997	Fall Protection issue: Hazard Information Newsletter Sierra Vista AZ

April 1996	Summaries of significant recent federal regulations with common-sense commentary on their real-world ramifications. Compliance Magazine
March 1995	Comparison of OSHA Standards old and new, Compliance Magazine
October 1994	Evaluation of OSHA's new Construction Fall Protection Standard, Compliance Magazine
Fall 1994	10 Critical requirements for an anchorage point, Construction Division Newsletter, American Society of Safety Engineers
March 1994	Confined Spaces: Answers to 11 Critical Questions on Fall Protection Programming: Suspenseful Suspension Occupational Health & Safety Magazine
Spring 1994	10 Critical requirements for an anchorage point Consultants Division Newsletter, American Society of Safety Engineers
February 1992	Confined Space Fall Protection, Occupational Health & Safety Magazine
September 1991	Fall Protection Anchorages, Safety & Health Magazine, National Safety Council
October 1990	Changes in the new OSHA Fall Protection Rules Construction Section Newsletter, National Safety Council
April 1990	OSHA's New Fall Protection Rules - contribution and article review Occupational Safety and Health
January 1990	Stiffer rules for Fall Protection ahead - contribution and article review Engineering News Record
April 1989	Slips and Falls Occupational Hazards Magazine
March 1989	Maintenance of Fall Protection Systems - making the right connection Safety & Health Magazine
January 1988	Suspended Scaffolding: Proper Protection Reduces Injuries Occupational Safety & Health

May 1987	Safety Management, #290 - Fall Hazards are More Serious than You Think
November 1986	National Safety Council Constr'n Newsletter Use Fall Protection Devices Safely - Follow Instructions!
April 1985	Fall Protection: Meeting the New Standard Western Oil Reporter
February 1985	Protection Systems Curb Death from Falls National Safety News
January 1985	Purchasing World, PW Technical File Fall Protection
December 1984	Fall Protection - A Systems Approach Reviewing Types of Equipment Industrial Safety & Hygiene News
July 1984	Fall Protection: A Sound Investment pp. 14-16 Well Servicing Magazine
June 1984	Fall Safety Equipment Up to Standards pp. 18-20 The American Oil & Gas Reporter
April 1983	Accidental Falls Cause Consternation: Protection Programs are Needed Northeast Oil Reporter
July 1982	National Safety Council Construction Newsletter Retracting Lifeline can arrest falls comfortably
June 1976	Communication News, Vol. 13, No. 6, pp. 54H Fall Protection for Tower & Antenna Climbers

BOOKS/CHAPTERS AUTHORED

- 2012 Fourth Edition: "Introduction to Fall Protection"
Updates with latest data, standards, requirements and equipment for addressing falls in workplace. New illustrations and photos. New rope access methods 600 pages
- 2009 13th Edition; Accident Prevention Manual
- 2005-2008 Supermarket Safety
The Grey House, Safety & Security Directory
- 2005 The Benefits of Engineered Fall Protection
The Grey House, Safety & Security Directory
- 2004 Fall Protection Compliance and Solutions Chapter 15
Construction Safety Management and Engineering
American Society Of Safety Engineers
- 2003-2007 Checklists on Assessing Your Fall Protection Program
The Grey House, Safety & Security Directory
- 2003-2008 Fall Protection Program Guidelines
The Grey House, Safety & Security Directory
- 2002 Best's Safety Directory - Checklists on Assessing Your Fall Protection Program
- 1997 - 1999 Best's Safety Directory 36-39th Edition - Checklists on Fall Protection Programs
- 1975 -1995 Best's Safety Directory 15th to 34th Ed. (exc 33rd Ed.)
"Guidelines on Fall Protection"
- 1995 Bests' Safety Directory: 34th Ed. "Guidelines on Confined Space Fall Protection and Retrieval"
- 1973-74 Best's Safety Directory 14th Ed. "Guidelines on Fall Protection"
- 1988 "Introduction to Fall Protection"
Publisher: American Society of Safety Engineers, Des Plaines, Illinois
Text book 8 (1/2)" x 11" format 132 pages

Provides a methodology for safety planning to provide fall protection in both general industry and construction trades applications. Provides engineering guidelines for helping interact safety professionals with civil engineers working together to plan fall protection for foreseeable fall hazards. Calculations for horizontal lifelines dynamic performance are presented with determination of maximum fall arrest distance and clearances required for proper anchorage point planning.

- 1994 Second Edition "Introduction to Fall Protection"
Updates new OSHA, ANSI and other standards around the world 228 pages
- 2001 Third Edition: "Introduction to Fall Protection"
Reorganized chapters, fall protection engineering focus and standards update 509 pages
- 1984, 1992 Fall Protection Tips (second edition 1992)
Publisher: Research & Trading Corporation, Wilmington Delaware and Dynamic Scientific Controls, 1992
Provides tips for practical solutions to fall hazard problems in construction and industry.
- 2001 12th Edition; Accident Prevention Manual
- 1996 11th Edition; Accident Prevention Manual
Fall Protection Systems, and program development throughout the Manual
- 1992 10th Edition; Accident Prevention Manual
Fall Protection Systems/Personal Protective Equipment Chapter - review and rewrite
- 1988 9th Edition; Accident Prevention Manual

DSC FALL PROTECTION TRAINING CENTER
(3-4 day courses)
INDUSTRIAL AND CONSTRUCTION FALL PROTECTION

Fall Protection Training Center

- 1990-1999** Instructor for dozens of Courses for Competent & Qualified Persons.
- 1991** Dr. Ellis and John Newquist developed and presented the first OSHA Training Instruction course for Fall Arrest System Course#311

1991-2002 Instructor for dozens Custom tailored on-site courses for numerous private and government organizations

SEMINARS and TALKS

Since 1985 Dr. Ellis has presented over 100 times to audiences coast to coast

HONORS & AWARDS

1985 NSC Medal - William H. Cameron Award for Safety
1985 Listed "Who's Who in Finance and Industry"
1988 NSC Medal - William H. Cameron Award for Safety
1986 American Society of Safety Engineers - elected Professional Member
1988 Listed in "Who's Who in the East"
1990 Listed in National Directory of Safety Consultants - ASSE
1991 NSC - William H. Cameron Certificate for Safety
2005-2006 ASSE Engr. Practice Specialty "Safety Professional of the Year"
2006 ASSE Engineers Practice Specialty Newsletter Editor
2007 ASSE Engineers Practice Specialty By-Design Editor "Most Improved Newsletter" Award by the ASSE Council of Practices and Standards
2007 NSC Distinguished Service to Safety Award (DSSA)
2010 ASSE 109th Fellow Honor Award
2011 Thomas F. Bresnahan Standards Medal

MEMBERSHIPS

American National Standards Z359 Committee 1987 -Present
National Society of Professional Engineers #103414067, 1993-Present
Delaware Engineering Society, 1993 - Present
National Academy of Forensic Engineers #485, 1993-Present
Veterans of Safety, 1990 Member (Board of Directors 2009 - 2012)
Veterans of Safety (President 2012-2014)
Human Factors and Ergonomics Society, Member, 1990
American Society of Safety Engineers, 1975; Professional Member, 1986-Present #2183200
American Society of Safety Engineers, President, Lower Delaware Valley Chapter 1994
Constr'n (Sect'n) Division Member, Nat'l Safety Council (1980-1993), 1993-Present
Secretary Construction Division, Nat'l Safety Council (2009-2011)
Vice Chairman Construction Division Nat'l Safety Council (2011-2013)
Chairman Construction Division Nat'l Safety Council (2013-2015)
American Society for Testing and Materials, F-13 Committee 1999-Present
American Society for Testing and materials, E06.51.25 Skylight Human Impact Resistance Committee, Co-Chair(2006-Present)
National Association of Tower Erectors 1996-1999
ASSE Engineering Practice Specialty Newsletter Editor 2005-2007

ASSE Engineering Practice Specialty Asst. Administrator 2007 – Present
American National Standard A10 Construction & Demolition Operations
Committee Member 2007 – Present

APPENDIX A

Nigel Ellis, CSP, P.E., CPE

SEMINARS AND TALKS

Jan. 14-18, 1985	The New Fall Protection, Shreveport, LA, Borger, Amarillo, Longview, TX
Feb. 11-15, 1985	The New Fall Protection, Birmingham, Mobile AL, Baton Rouge, Lafayette, LA
Feb. 19, 1985	Falls Can Be Prevented, Delmarva Safety Conference, Salisbury, MD
May 1-2, 1985	The New Fall Protection, Seattle, WA
May 3, 1985	The New Fall Protection, Richland, WA
May 9, 1985	Fall Protection - The Most Underused Safety Resource in America, W. New York Safety Conference, Buffalo, NY
Jul. 11, 1985	The New Fall Protection, Philadelphia, PA. Naval Shipyard
Sept. 9, 1985	The New Fall Protection, ASSE. McKinley Chapter, Barberton, OH
Oct. 11, 1985	Fall Protection - Are You Prepared?, Governor's Safety Conference, Anchorage, AK
Jan. 21, 1986	The New Fall Protection, ASSE, Colonial Virginia Chapter, Richmond, VA
Feb. 2, 1986	OSHA Power Platform Hearing testimony, Chicago, IL
Feb. 25, 1986	100% Elevated Fall Protection, ASSE 1/2 day Seminar
Apr. 1, 1986	The New Fall Protection, ASSE PDC, Philadelphia, PA
Apr. 2-3, 1986	The New Fall Protection, New Jersey Safety Conference, Atlantic City, NJ
May 8, 1986	The New Fall Protection, Annual Eastern Pennsylvania Safety Conference, Allentown, PA

May 13-15, 1986	The New Fall Protection, Detroit, MI, Chicago, IL, Milwaukee, WI
May 19-23, 1986	The New Fall Protection, Los Angeles, San Francisco, CA
June 30, 1986	Fall Protection, NSC Construction Section Meeting, Boise, ID
Sept. 9-11, 1986	The New Fall Protection, Kingsport, Chattanooga, TN and Atlanta
Sept. 17, 1986	Fall Protection in Construction, CNA Insurance Co. Chicago, IL
Oct. 21, 1986	Planning Safety at Elevation: The Latest in Fall Protection, 74th National Safety Congress, Public Utility Section, Chicago, IL
Feb. 2, 1987	Fall Protection for Suspended Scaffold Users, Honolulu, HI
Feb. 3, 1987	New Approaches to Elevated Fall Protection, Honolulu, HI
Mar. 30-Apr, 1, '87	The New Fall Protection, Seattle, Spokane, WA
Apr. 13, 1987	New Ideas in Elevated Fall Protection and Confined Space Entry and Retrieval, Southern Pulp and Paper Safety Association, Greensboro, NC
Jul. 14, 1987	New Fall Protection for the Construction Industry, CNA Insurance Co., Chicago, IL
Sept. 22-23, 1987	Fall Protection in the Chemical Plant Environment, Freeport, TX
Sept. 29, 1987	Preventing Injuries from Use of Fall Protection Equipment, Edison Electric Institute, Seattle, WA
Oct. 7, 1987	Fall Prevention - Techniques and Systems, 75th National Safety Congress, Blockbuster Session, ATM Section, Chicago, IL
Mar. 23, 1988	OSHA 1926 Subpart M Construction Hearing testimony
May 24, 1988	Fall Protection in Electrical Utility Operations, Edison Electric Institute, Savannah, GA
Oct. 21, 1988	ISO International Fall Protection Seminar Panelist, Orlando, FL
Dec. 12, 1988	Fall and Slips, ASSE Chapter, Harrisburg, PA
Mar. 21, 1988	Fall Prevention at the Worksite Texas/Southwestern Safety Conference, Dallas, TX

Apr. 25, 1989	Slip, Trip and Fall Protection, Tristate Safety Council, Frederick, MD
May 3, 1989	Fall Protection for Roofers and other contractors, Phoenix, AZ
May 11, 1989	New OSHA Fall Protection Standards, Pasadena, TX
May 11, 1989	Fall Protection Solutions - Beyond the Harness, Exxon Refining Baytown, TX
Sept. 11, 1989	Refinery Fall Protection and Confined Space Safety, Baton Rouge, LA
Sept. 12, 1989	Fall Protection Methods, Longview, TX
Sept. 13, 1989	Confined Space Fall Protection and Retrieval Dallas, TX
Sept. 14, 1989	New OSHA Fall Protection Standards, Pasadena, TX
Sept. 15, 1989	Train the Trainers in Fall Protection, Exxon Chemicals, Baytown
Sept. 20, 1989	ALCOA - Introduction of Fall Protection Policy, Davenport, IA (2½ day seminar program)
Sept. 27, 1989	ALCOA - Introduction of Fall Protection Policy, Knoxville, TN (2½ day seminar program)
Sept. 28, 1989	Competent Person's role in Fall Protection National Petroleum Refiners Association Annual Meeting, Houston, TX
Feb. 14, 1990	The New Fall Protection and Confined Space Standards ASSE Gold Coast Chapter, Boynton Beach, FL
Feb. 19, 1990	A Guide to becoming an Expert Witness ASSE Lower Delaware Chapter, Concordville, PA
Feb. 22, 1990	Trends and techniques in Fall Protection: an update of the national standards ASSE PDC Full day meeting, sponsored by ASSE Allegheny Chapter, Monroeville, PA
Apr. 11, 1990	Current Issues in Fall Protection: Western Pennsylvania Safety Council, Monroeville, PA
Apr. 26, 1990	Inherently reliable Fall Arrest and Controlled Descent Equipment for Rescuers: COLLAPSE '90, Pennsville, NJ

May 9, 1990	100% Fall Protection at Heights and in Confined Spaces Amoco Health and Safety Conference, Itasca, IL
May 22, 1990	Fall Protection Standards 22nd Governor's Safety & Health Conference Woodlawn, MD
Jul. 20, 1990	Fall Protection for Chemical Process Towers: The responsibility of supervisors and managers for planning Occidental Chemical Corp. Corpus Christi, TX
Oct. 15, 1991	Fall Protection is Profitable - there's proof! Tri State Safety Council Chicagoland Construction Safety Council Chicago, IL
Oct. 16, 1991	OSHA Fall Protection Standards are Profitable American Society of Safety Engineers, Chesapeake Chapter, Baltimore, MD
Apr. 1992	Fall Protection skills for safety professionals Indiana-University of Pennsylvania, Safety Systems Course
May 13, 1992	Fall Protection methods for welders American Welding Society, Delaware Chapter
June. 1992	Latest OSHA developments in fall protection: Maui Safety Association, Hawaii
Dec. 3, 1992	Fall Protection Systems - Proper Use & OSHA Update Safety Council of the Louisiana Capital Area
Feb. 17, 1993	WATtec '93 1. Fall Protection for the Nineties 2. Fall Arrest Systems to minimize injury potential; Nashville TN
Apr. 26, 1993	Fall Protection for the '90's Southeast Safety & Health Conference, Georgia Tech., Atlanta GA
May 27, 1993	A comparison of the fall protection methods and regulations developed in Europe and North America - 3rd EuroAmerican Construction Conference, Glasgow, Scotland
Jul. 20, 1993	Fall Protection/Prevention - Ideas for the 1990's All-Ohio Safety Professional Development Conference, Akron Ohio
Aug. 1993	Fall Protection Methods in Construction Chicagoland Construction Association, Chicago IL

Aug. 1993	Fall Protection and Confined Space Solutions, public seminar; Seattle WA
Sept. 1993	Fall Protection and Confined Space Solutions, public seminars; Freeport TX
Nov. 1993	Fall Protection and Confined Space Solutions, public seminar; Atlanta GA
Jan. 1994	New Directions in Fall Protection public seminar; Los Angeles, CA
Apr. 1994	Integrating Fall Protection into Construction Work Methods, Pacific Rim Safety Conference, Honolulu HI
June. 1994	Elements of a Fall Protection Program, American Foundryman Society, Des Plaines, IL
Oct. 1994	Fall Protection Training - Current American Perspective, International Fall Symposium, San Diego CA
Dec. 1994	Principles of Fall Protection - Argonaut Insurance Company, Valley Forge, PA
Feb. 1995	Anchorage Point critical requirements - National Safety Council, Construction Division, Atlanta, GA
Feb. 1995	Foundations for Fall Protection - Builders Exchange & Rochester Safety Council, Rochester, NY
Feb. 1995	Fall Protection Solutions Hierarchy, America West Safety & Health Expo, Sacramento, CA
Mar. 1995	Fall Protection - the new Construction standard, American Society of Safety Engineers, LDVC, Prof. Dev. Conf, Philadelphia, PA
Mar. 1995	New Standards for Fall Protection, American Society of Safety Engineers, Calumet Chapter PDC, IN
Sept. 1995	Fall Protection Subpart M and proposed General Industry regs, Lancaster County Industrial Safety Council
Feb. 1996	When the Fall Protection System Failed., American Society of Safety Engineers, LDVC, Wilmington, DE
Sept. 1996	Developing a Effective Fall Protection Program; PDC Region 1X Williamsburg, VA

Feb. 1997	Fall Protection Standards, Associated General Contractors of America, National Safety Council, Construction Division, Sacramento, CA
Feb. 1998	Elimination of Fall Hazards on Jobsites: BuildSafe '98, Construction Safety Councils, Chicago, IL
Sept. 1998	How the US Legal System Affects Fall Protection Product Design: International Fall Protection Symposium in Wuppertal (IFPS'98)
Jan. 2000	Fall Accident Reconstruction, National Association of Legal Investigators, Mid Year Meeting, Orlando, FL
June 2000	What is Fall Protection? American Society of Fall Protection, Annual PDC Orlando, FL
Mar. 2001	Fall Protection for Safety Professional, Oregon Governor's Occupational and Safety Health Conference
June. 2001	What is a Fall Hazards? American Society of Safety Engineers, Philadelphia, PA
Jan. 2002	Construction Fall Protection, American Society of Safety Engineers Philadelphia PA Chapter
Jan. 2002	Home and Business Fall Hazards and What you need to know about the Danger of Falling and what you can do about it Cedar Rodney Rotary Club, Wilmington, DE
Mar. 2002	Harnesses Provide Appearance of Safety; Anchorage Points Must Be Provided, BNA, Occupational Safety & Health
Apr. 2002	Reducing Fall Injuries Means Profitability for Clients. Independent Insurance Agents Dover, DE
Apr. 2002	Case Histories of Fall Protection Engineering for Roofs and Warehouses American Society of Safety Engineers Annual PDC, Nashville, TN
June. 2002	Fall Protection for Engineers National Safety Council 90 th Congress & Expo., San Diego, CA
Feb. 2003	Hazard Information Foundation Inc. (HIFI) Safety Workshop

Why Fall Protection Programs Fall Through the Cracks

- June. 2003 Fall Protection for Difficult Exposures,
American Society of Safety Engineers Annual PDC, Denver. CO
- Jul. 2003 Fall Protection Focus Day
American General Contractors of San Diego, CA
- Sept. 2003 Fall Protection Implementation and Verification
National Safety Council 91th Congress & Expo Chicago. IL
- Sept. 2003 Fall Protection for Holes and Disguised Holes
International Fall Protection Symposium, Chicago, IL
- Oct. 2003 Truck Driver Fall Protection
XL Environmental, Exton, PA
- Mar. 2004 Reducing Fall Injuries and Deaths Through a Hierarchy of Controls
2004 Construction Safety Conference & Expo., Randolph, MA
- June. 2004 Fall Protection for Your Small Contractors
American Society of Safety Engineers Annual PDC, Las Vegas, NV
- Sept. 2004 Engineered fall safety: How to Sell It Internally
National Safety Council 92th Congress & Expo, New Orleans, LA
- Jan. 2005 Nail Extraction Force in Failed Barrier
National Academy of Forensic Engineers, San Diego, CA
- June. 2005 Fall Protection – “ Engineered” is Best but is “Do Your Best” an
Option?
American Society of Safety Engineers Annual PDC, New Orleans,LA
- Sept 2005 The Responsibility of Management or Worker?
National Safety Council 93rd Congress & Expo, Orlando, FL
- Mar. 2006 "Fall Protection for Plant Engineers and Facility Managers"
National Manufacturing Week Conference
Stephens Convention Center in Rosemont, IL
- June. 2006 Fall Protection in General Industry where no OSHA regulations
apply
American Society of Safety Engineers, Seattle, WA
- June. 2006 What's next for Fall Protection?

International Fall Protection Symposium (ISFP)
Seattle, WA

- Nov. 2006 Fall Protection Engineering Avoids System Failure
National Safety Council
San Diego, CA
- Feb. 2007 Safety Design Principles Natural Hazard - Gravity
17th Annual Construction Safety Conference & Exposition
- Feb. 2007 Roofers and Waterproofers Research & Education Joint Trust
Achieving 100% Fall Protection in Roofing
- Mar. 2007 American Society of Safety Engineers Philadelphia Chapter
Fall Hazards- Can you Recognize Them?
- Mar. 2007 Roofers and Waterproofers Research & Education Joint Trust
Achieving 100% Fall Protection in Roofing Minneapolis, MN
- June. 2007 New Developments in Fall Protection Planning
American Society of Safety Engineers, Orlando, FL
- Aug. 2007 Design of Ladders and Grab Bars for Effective Fall Solutions
International Conference on Slips, Trips and Falls
Hopkinton, MA
- Oct. 2007 Fall Protection for Stationary Vehicles
National Safety Council, Chicago, IL
- Jan. 2008 What Lawyers need to know about Fall Protection Engineering.
CLE (National Continuing Legal Education) Vail, CO
- Feb. 2008 Roofers and Waterproofers Research & Education Joint Trust
Achieving 100% Fall Protection in Roofing, Portland, OR
- June 2008 Qualified Person Duties to Create a Fall Protection System
Meeting Z359 Las Vegas, NV
- June 2008 Truck Falls, Fall Protection Symposium, Las Vegas, NV
- August 2008 New Developments in Fall Protection Planning, ANSI Z359-2007
ORC Worldwide
Washington, DC
- Feb. 2009 Fall Protection Advances in Construction
World of Concrete

Las Vegas, NV

August 2009	Making Fall Protection Work at Your Site American Society of Safety Engineers, San Antonio, TX
August 2009	New Developments in Fall Protection Planning using ANSI Z359-2007 Veterans of Safety
October 2009	Advances in Roof Fall Protection Planning American Hotel Lodging Association Kansas City, MO
October 2009	Advances in Roof Fall Protection Planning National Safety Council, Orlando, FL
January 2010	Advances in Roof Fall Protection Planning Mid-America OSHA Education Ctr., ABC Dayton, OH
March 2010	Roof Fall Hazard Experiences Roofers and Waterproofers Research & Education Joint Trust Minneapolis, MN
April 2010	Roof Fall Hazard Experiences Roofers and Waterproofers Research & Education Joint Trust St. Louis, MO
June 2010	How to Apply the Latest Developments in Fall Protection to Your Site American Society of Safety Engineers Annual PDC, Baltimore, MD
June 2010	Update on a Dynamic Test Standard for Skylight Human Impact International Fall Protection Symposium. Baltimore, MD
October 2010	Fall Protection Compliance Options National Safety Council Congress & Expo., San Diego, CA
May 2011	Evolving Fall Protection Standards and Litigation and Presentation of the Society Fellow Award American Society of Safety Engineers, Philadelphia Chapter
May 2011	Hazard Analysis the Dave MacCollum Way Veterans of Safety

June 2011	“OSHA” Construction and Industry Working Ever Closer Together on Fall Protection
October 2011	American Society of Safety Engineers Annual PDC Chicago, IL Fall Protection: Fabricate your Own or Purchase National Safety Council Congress & Expo., Philadelphia, PA
February 2012	Fall Protection Criteria, Systems, Engineering Fall Protection Safety Workshop NE Region Construction., Worcester, MA
April 2012	Three Point Control - Analysis and Recommendations PacRim Conference Honolulu, HI
June 2012	How to Protect your Organization against Fall Protection Litigation American Society of Safety Engineers Annual PDC, Denver, CO
January 2013	Forensic Engineering for a Walk over the Falls: Fall protection for Nik Wallenda National Academy of Forensic Engineers (NAFE) Special Seminar Newport Beach, CA
February 2013	Planning for a Walk over Niagara Falls: Fall protection for Nik Wallenda National Safety Council Construction Division Washington DC
May 2013	Human Factors Engineering for a Walk over the Falls, Fall Protection for Nik Wallenda Human Factors Engineering Society Southampton, PA
June 2013	Futuristic Fall Protection Now American Society of Safety Engineers Annual PDC, Las Vegas, NV
June 2013	Three Point Control – Analysis and Recommendations International Fall Protection Symposium

