

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. efss@FallSafety.com

Ellis Litigation Support (dba) els@FallSafety.com

Ellis Fall Protection Engineering (dba)

Ellis Fall Protection Institute (dba)

Ellis Ladder Improvements, Inc. eli@FallSafety.com

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), a consulting firm specializing in fall hazard control planning and training. Divisions of DSC include: Ellis Fall Safety Solutions, Ellis Litigation Support Ellis, Ladder Improvements (ELI) and Ellis Fall protection Engineering.

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, Dr. Ellis is a Professional Member of the American Society of Safety Engineers (ASSE) with memberships in the Construction and Consultant Divisions, a member of the National Safety Council Construction Division, Human Factors & Ergonomics Society and Veterans of Safety.

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

Over two 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	Fall Protection in (General Industry)
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
A10.32 (A10.14)	Fall Protection Equipment for Construction and Demolition
A14.3	Ladder – Fixed – Safety Requirements
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
A120	Building Exterior Maintenance Safety Requirements
Z117	Confined Space Safety Requirements

American Society of Testing Material (ASTM)

E06.51.25	Skylight Human Impact Resistance Committee, 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
NSC	Marine Section – Ship Design

Nigel Ellis Expertise: 38 years safety and human factors experience: Registered Safety Engineer CA/MA, Certified Safety Professional, Certified in Human Factors, scientist, author of textbooks and articles on safety and hazard recognition; warnings and instructions expert; safety consulting business development, business agreements relating to safety requirements, safety assessments, developer of safety appliances, patent holder: safety solutions, developer of safety procedures, eliminator and controller of workplace walking/working hazards,. He typically applies safety principles to incidents of sudden energy release that cause injury and property damage. Dr. Ellis' extensive networking in the industry has brought him within reach of many leading experts in related specialties.

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** **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.**
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 Ins (ELI)
DSC is the parent of (dba) Ellis Litigation Support Services (ELS).
- 1986 - 1996** **C.E.O., Research & Trading Corporation**
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**
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
(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

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 in process" (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 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" 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

SEAK 16th Annual National Expert Witness Conference Cape Cod, MA 06/21-22/07

Standard First Aid,Certificate, American Red Cross 2009

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 ByDesign 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.

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

PUBLICATIONS

- Nov 2009 Skylight Safety in the U.S.
American Society of Safety Engineers, ByDesign
- Nov 2009 Status of Skylight Safety
American Society of Safety Engineers, The Compass
- 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, ByDesign
- 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

2009	13 th 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 including course design and presentation of the OSHA Fall Arrest System Course#311

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

SEMINARS and TALKS

Over the past 21 years 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 Engineer Practice Specialty Newsletter Editor
- 2007 SSE Engineer Practice Specialty ByDesign Editor
- 2008 NSC Distinguished Service to Safety Award (DSSA)
- 2010 ASSE Fellow Award

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 - 2010) , Vice President
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)
American Society for Testing and Materials, F-13 Committee 1999-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