



C.V.

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

www.FallSafety.com/expert Fall Safety Litigation Support

www.FallSafe.com Fall Protection Engineering

www.PFAT.net alt, FallProtectionEngineering.com

**DSC Companies: dsc@FallSafety.com
Ellis Fall Safety Solutions. LLC efss@FallSafety.com -Training
Ellis Litigation Support (dba DSC) els@FallSafety.com – Legal Support
Ellis Ladder Improvements, Inc. eli@FallSafety.com – Products**

Partners in Fall Anchor Technology (PFAT) pfpat@FallSafety.com

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

Team members other, fall expert CV's upon request

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

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 was awarded the ASSE Thomas F. Bresnahan Standards Medal for voluntary standards Excellence participation. He is also a Distinguished Service to Safety Award winner in 2007 and in 2018 he received the NSC Honorary Lifetime Achievement Award and member of the National Safety Council (NSC) and is Past 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), Past Dean of Ambassadors (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 four 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 negligence and product liability cases

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

- Z359.1 Personal Fall Protection (General Industry) and several Sub-committees including the following:
- Z359.2 Minimum Requirements for a Comprehensive Managed Fall Protection Program
- Z359.3 Safety Requirements for Positioning and Travel Restraint Systems (Former Chairman)
- Z359.6 Specifications and Design requirements for Active Fall Protection Systems
- Z359.8 Requirements for Rope Access
- Z359.9 Personal Equipment for Protection against Falls- Descending
- Z359.12 Connecting Components for Personal Fall Arrest Systems
- Z359.14 Safety Requirements for Self-Retracting Devices for Personal Fall Arrest and rescue Systems
- Z359.15 Safety Requirements for Vertical Lifelines for Personal Fall Arrest Systems

Z359.16 Safety Requirements for Fall Arresters for Personal Fall Arrest Systems

Z359.17 Safety Requirements for Horizontal Lifelines for Personal Fall Arrest Systems

Z359.18 Safety Requirements for Anchorage Connectors for Personal Fall Arrest Systems

A10 Construction & Demolition Operations Committee and several sub-committees including:

A10.08 Scaffolding Safety Requirements

A10.11 Safety Requirements for Personnel Nets

A10.18 Temporary Roof & Floor Holes, Wall Openings, Stairways Safety Requirements for, & Other Unprotected Edges in Construction & Demolition Operations

A10.22 Rope-Guided and Non-guided Worker's Hoists – Safety Requirements

A10.24 Roofing Safety Requirements for Low-Sloped Roofs (Chair)

A10.28 Work Platforms Suspended from Cranes or Derricks – Safety Requirements

A10.32 (A10.14) Fall Protection Systems for Construction & Demolition Operation

A10.37 Construction and Demolition Operations Debris Net Systems Used During Construction and Demolition Operations

A10.43 Confined Spaces in Construction

A10.48 Communication Tower Construction

A14 American Ladder Institute - Committee Member

A14.3 Ladder – Fixed – Safety Requirements

A14.8 Ladder – Accessories – 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)

E58 Forensic Engineering

F13 Pedestrian/ Walkway Safety and Footwear

The American Society of Mechanical Engineers
ASME Steel Stack Access

SAE International
SAE J185 Access Systems for Off-Road Machines

International Organization for Standardization
ISO TC94/SC4 International Fall Protection/ANSI TAG

National Safety Council (NSC) member since 1974
NSC Construction Division, chairman 2012-2014 (1200 Members)
Member of Broad of Delegates 2015-present

OSHA Alliance Program Construction Roundtable NSC representative 2009-present

Nigel Ellis Expertise: 50 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; he is also expert in the placement of these devices for optimal use. This includes scaffolds, towers, roofs, skylights etc. Which are an integral part of any fall protection system and their management including the hierarchy of fall hazard controls. Net testing set-up and verify drop tests to ASTM standards.

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 – Present** **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, Engineering and Training and Ellis Ladder Improvements Inc. (ELI) is where Ellis patents are managed. DSC is the parent of Ellis Litigation Support Services (ELS) which provides the technical information on fall cases to clients.
- 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 Representative. Addressograph Multigraph

Varietyper Division; typesetting systems for safety newsletters, reports, engineering drawings, educational and training audio visual facilities.

1966 - 1968

Research Chemist, DuPont Company

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

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) (Human Factors)

Certificate Number 675

Board of Certification in Professional Ergonomics,
BCPE, Bellingham WA

Full curriculum and maintenance of certification 2010 available

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

Alexandria, VA

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

University of Manchester, 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

University of Manchester, England (1964)

Curriculum included advanced mathematics, physics and physical chemistry.

B.Sc. Honours Chemistry

University of Manchester, England (1963)

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

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

Auburn University, Occupational Biomechanics,

Engineering Economics, Lean Production

Partial completion for requirements of M.S. degree

HIGH SCHOOL

Acklam Hall Grammar School (High School) 1953-1960

Middlesbrough, England (graduated 1960)

ADDITIONAL TRAINING

Materials Drop Testing into Industrial netting to meet OSHA Standards 2018-2019

Aerial Lift Safety Presentation, Jeff Stachowiak, Z359 05/2017

Competent Person Scaffolds, Hands On, Design & Loading, and Suspended Scaffolds

Four Day "Train-The-Trainer" certification 25119
Scaffold Training Institute. League City, TX 07/18-21/11

SEAK 18th Annual National Expert Witness Conference, Chicago, IL 06/2010

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

"Multimedia Standard First Aid Certificate", American Red Cross
1985, 2009

SEAK 15th Annual National Expert Witness Conference, Cape Cod, MA 06/2007

Daubert Challenges to Forensic Engineering and Scientific Methodologies NAFE 06/2007

Philo "21 hour course "Third Party case development 9/93, 9/94, 9/96, 9/97, 9/99,
9/01, 09/02, 09/15, 09/16, 09/17, 09/18, 09/19, 09/20

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

Full Radiation Worker trained and indexed (NRC Salem II Nuclear Power Station)
6/94

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

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

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

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

Architect-Engineer Liability, Cambridge Ins. 1/91

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

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

"Human Factors" ASSE Consultants Division course by Alphonse Chapanis, Ph.D. 1988
and also ASSE Construction Division Course (1988) San Francisco and New York City

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

Other Experience:

ASSE Foundation Research Committee 2009- Present

ASSE Assistant Administrator Engineering Practice Specialty 2006-09

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

ASSE Engineering Practice Specialty Newsletter "By-Design" 2006-2008

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

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

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 B2 Portable ladder assembly
- 7,527,461 Safety rail assembly
- 6,619,428 Walk-through ladder
- 6,347,685 B1 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
- D760,9175 Ladder Safety Rail Set
- 9,540,875 B2 Safety Device for Ladders

Social Media 2012-2021 LinkedIn Safety/Hazard Articles by-weekly
Twitter

PUBLICATIONS List upon request

BOOKS/CHAPTERS AUTHORED List upon request

SEMINARS AND TALKS Since 1985 Dr. Ellis has presented over 100 times to audiences coast to coast List upon request

**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 jointly developed and presented the first OSHA Training Institute Course for OSHA Fall Arrest Systems, Course#0311

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

HONORS & AWARDS

2018 NSC Honorary Lifetime Achievement Award

2011 ASSE Thomas F. Bresnahan Medal for Standards Excellence

2010 ASSE 109th Fellow Honor Award

2007 NSC Distinguished Service to Safety Award (DSSA)

2007 ASSE Engineers Practice Specialty By-Design Editor "Most Improved Newsletter" Award by the ASSE Council of Practices and Standards

2006 ASSE Engineers Practice Specialty Newsletter Editor

2007 2005-06 ASSE Engr. Practice Specialty "Safety Professional of the Year"

1990 Listed in National Directory of Safety Consultants - ASSE

1988 NSC Medal - William H. Cameron Award for Safety

1988 Listed in "Who's Who in the East"

1986 American Society of Safety Engineers - elected Professional Member

1985 NSC Medal - William H. Cameron Award for Safety

1985 Listed "Who's Who in Finance and Industry"

MEMBERSHIPS

ASSE Engineering Practice Specialty Asst. Administrator 2007 – 2009

ASSE Engineering Practice Specialty Newsletter Editor 2005-2007

American Ladder Institute A14 Committee 2016 - Present

American National Standards Z359 Committee 1987 -Present (co-founder)

American National Standard ASSE A10 Construction & Demolition Operations Committee Member 2007 – Present

American Society of Safety Engineers, President, Lower Delaware Valley Chapter 1994-1998

American Society of Safety Engineers, 1975; Professional Member, Present #2183200

American Society for Testing and Materials, F-13 Committee 1999-Present

American Society for Testing and Materials, E06.51.25 Skylight Human Impact 2008-present co-chairman

American Society for Testing and Materials, E58 Forensic Engineering

Delaware Engineering Society, 1993 - Present

Human Factors and Ergonomics Society, Member, 1990 - Present

National Academy of Forensic Engineers #485, 1993- Present

National Association of Tower Erectors NATE 1996-1999

National Safety Council

Constr'n (Sect'n) Division Member, Nat'l Safety Council (1980-1993), 1993- Present

Chairman Construction Division Nat'l Safety Council (2013-2014)

Vice Chairman Construction Division Nat'l Safety Council (2011-2013)

Secretary Construction Division, Nat'l Safety Council (2009-2011)

National Society of Professional Engineers #103414067, 1993-Present

Veterans of Safety, 1990 Member (Board of Directors 2009 - 2012)

Veterans of Safety President 2012-2013

Veterans of Safety Dean of Ambassadors 2013-2014

OTHER COURSES AND MEMBERSHIPS

List upon request