

# *David A. Lucht, P.E., FSFPE*

94 Holman Street  
Shrewsbury, MA 01545  
Telephone (508) 845-9428  
Email [dalucht@wpi.edu](mailto:dalucht@wpi.edu)

## **Professional Experience**

2005 – present            Retired Professor  
and Amateur Artist – [www.dluchtart.com](http://www.dluchtart.com)

1978 – 2005            WORCESTER POLYTECHNIC INSTITUTE  
Center for Firesafety Studies  
Worcester, Massachusetts

**Professor and Founding Director of the Center for Firesafety Studies**, an interdisciplinary crossroad for graduate education, research and technology transfer. Responsible for overseeing startup of the new center and its graduate degree fire protection engineering program, fund raising, faculty and organizational development, recruiting, marketing, administration and media relations.

The first master of science fire protection engineering program in the United States was developed and launched in 1979. First of its kind doctoral degree program established in 1991. First global distance learning FPE degree program started in 1993.

Appeared extensively in the print and electronic media including live network radio and television programming as well as outlets such as the Discovery Channel, History Channel, PBS NOVA and Voice of America.

During the first 25 years this innovative program evolved to become the acknowledged leader in fire protection engineering graduate education worldwide. At his retirement in 2004 the program enrolled some 150 students, including on-campus BS/MS, MS and PhD students as well as distance learners worldwide. By 2004 the program had graduated over 400 students from 26 countries.

Prior to full retirement, Lucht transferred to position of **Associate Vice President for University Relations** to achieve a 12 month on-campus overlap with successor. In this position he focused on university-wide marketing strategies and research on the Millennials generation of students. He fully retired from WPI in 2005 as Adjunct Professor and Director Emeritus of the Center for Firesafety Studies.

## Professional Experience (Cont'd)

1978 - 1985                      FIREPRO INCORPORATED  
Wellesley, Massachusetts

**Executive Vice President and Assistant Treasurer** of this consulting engineering firm specializing in all aspects of fire protection engineering including building fire safety design, corporate risk management, fire reconstruction and municipal fire protection. Duties included consulting directly for clients, technical management, marketing, business operations and personnel. Member, Board of Directors.

1975-1978                      UNITED STATES FIRE ADMINISTRATION  
US Department of Commerce  
Washington, D.C.

**Deputy Administrator.** Appointed by President Gerald R. Ford with the advice and consent of the Senate. Served as the first presidential appointee to lead the newly created agency which had the mission of implementing *America Burning*, the 1973 report submitted to the President and Congress by the National Commission on Fire Prevention and Control. Performed policy-level administrative duties under the Administrator. Had responsibility for the operation of all programs including the National Fire Data Center, the National Fire Academy, the National Fire Safety and Research Office and the Public Education Office. Operated the agency-wide Management Council and oversaw internal operations, program planning, evaluation, monitoring and budgeting.

Represented the Administration in its relationships with outside organizations, the Congress, state and local governments and the media. Extensive speaking appearances throughout the U.S. and abroad. Lucht was reappointed by President Jimmy Carter and continued government service until 1978.

1972-1975                      OHIO DIVISION OF STATE FIRE MARSHAL  
Ohio Department of Commerce  
Columbus, Ohio

**State Fire Marshal.** Appointed by Governor John J. Gilligan. Policy level responsibility for fire safety throughout the State of Ohio, enforcement of fire and building code requirements, nursing home and hotel/motel licensing, fireworks and related statutes. Administrative responsibility for the Ohio Arson Bureau, Inspection Bureau, and the Fire Prevention Bureau. Oversaw development of the Ohio Master Plan for Fire Prevention and Control, the Ohio Fire Incident Reporting System (OFIRS), the Arson Crime Laboratory, and the new Ohio Fire Academy. Worked with legislators to develop a statewide fire legislation reform package. Extensive media relations experience.

## Professional Experience (Cont'd)

**Chief Deputy Fire Marshal.** Responsible for fire investigation and law enforcement; arrest and prosecution of arsonists; building inspection and code enforcement; adjudication of Fire Marshal's orders; public fire education; and training of fire service personnel.

**First Assistant Fire Marshal.** In addition to other duties, played a major role in drafting new firesafety provisions for the Ohio Building Code including residential, institutional and high-rise structures; developed and administered retroactive requirements for sprinkler systems in nursing homes, working in close liaison with the Ohio Nursing Home Association..

**Chief of Fire Inspection Bureau.** Responsible for operating the statewide fire inspection program. Authored the first Ohio Fire Code.

1968-1972                      THE OHIO STATE UNIVERSITY  
Building Research Laboratory  
Columbus, Ohio

**Lecturer** in firesafety design for architects and engineers; interpretation and administration of the Ohio Building Code; developed and taught courses in building construction, fire protection systems and fire hydraulics at Columbus Technical Institute.

**Research Associate, Building Research Laboratory, College of Engineering.** Responsible for engineering and technical aspects of exploratory and ASTM/NFPA standard fire tests of building construction systems and materials. Performed extensive work in writing technical building code requirements for the State of Ohio, including the first statewide requirements for residential smoke detectors. Principal investigator and co-author of A Study Manual for Ohio Building Code Officials and the Ohio Dwelling House Code.

Evaluated plans and specifications for proposed modular buildings to assure compliance with the Ohio Building Code. Worked as project engineer on Operation Breakthrough programs of the US Department of Housing and Urban Development. Performed gamma radiation fallout shelter analysis studies based on Office of Civil Defense protocols.

1965-1968                      INSURANCE SERVICES OFFICE OF OHIO  
(Formerly Ohio Inspection Bureau)  
Columbus, Ohio

**Sprinklered Risk Inspector.** Inspected wide variety of commercial, industrial, institutional and public utility operations. Conducted and reported on hazard analyses, evaluations of public and private protection, fire protection system tests and building construction reviews.

During this period, also served as Graduate Instructor, Dale Carnegie Course in Effective Speaking and Human Relations.

## **Education**

Illinois Institute of Technology  
B.S. Fire Protection and Safety Engineering

## **Registration**

Professional Engineer Massachusetts Registration No. 29858

## **SERVICE AND MEMBERSHIPS**

### **Society of Fire Protection Engineers (SFPE)**

- Elected Fellow, 1989
  - Life Member, 2008 - present
  - Immediate Past President, 1990-91
  - President and Chair of the Board, 1989-90
  - President-Elect, 1987-89
  - Member, Board of Directors, 1985-91
    - Executive Committee, 1987-91
  - Secretary Treasurer, 1987
  - Member, Honors Committee, 1992-2008
  - Member, Careers Task Group, 2001- 2005
  - Member, Task Group for a Technical Director, 1994
  - Member, Task Group on Membership Procedures, 1994
  - Member, Membership Task Group, 1994-95
  - Chairman, Nominating Committee, 1991
  - Chairman, Firesafety Design in the 21st Century Task Group, 1991
  - Chairman, Constitution and Bylaws Revision Committee, 1986-88
  - Chairman, Business Affairs Committee, 1987
  - Chairman, Program Committee, 1988
  - Chairman, SFPE Senate, 1988, 1989
  - Chairman, Past Presidents Advisory Committee, 1990-91
  - Member, Past Presidents Advisory Committee, 1990-present
  - Project SAFER Judges Panel, 1982
  - Member, Membership Criteria Committee, 1982 and 1986-88
  - Member, Fire Service Committee, 1979-1994
  - Member, Fund Raising Committee, 1987-89
  - Member, Long Range Planning Committee, 1981-82
  - Member, Strategic Planning Committee, 1989
  - Member, Nominating Committee, 1984, 1996
  - Member, Research Agenda Task Group, 1998
- Member, New England Chapter SFPE
- Life Member, 2008 - present
  - Member, Board of Directors, 1987-89
  - Member, Long Range Planning Committee, 1985-87  
(Chairman 1985-86)
  - Member, Coconut Grove Commemoration Steering Committee, 1992
- Member, IIT Student Chapter SFPE, 1961-65
- Treasurer, Vice President, President, 1962-65

### **National Fire Protection Association (NFPA)**

- Life Member, 2005 – present (Member since 1965)
- Member, Board of Directors, 1990-91, 1991-94, 1994-99
- Second Vice Chair, 1998-99
- Secretary, 1997-98

## **SERVICE AND MEMBERSHIPS (Cont'd)**

### **National Fire Protection Association (NFPA) Cont'd**

Member, Executive Committee, 1994-1995, 1997, 1998-99  
Chairman, Governance Committee, 1994-1997  
Chairman, Meetings Program Committee, 1998-99  
Member, Future Actions Task Group, 1999  
Member, Rolf Jensen Award Selection Committee, 1998-2008  
Member, Pension Committee, 1996-1997  
Chairman, Pension Committee, 1997-98  
Member, Membership Committee, 1997-99  
Chairman, Bylaws Committee, 1992-1993  
Member, Long Range Planning Committee, 1990-1996  
Member, Finance Committee, 1993-1994, 1995-1996, 1998-99  
Member, Audit Committee (representing Finance), 1993-1994  
Member, Ad Hoc Task Group on Performance Based Codes and Standards,  
1994 - 1995  
Member, Government Relations Committee, 1991-1993  
Chairman, Nominating Committee, 1988  
Chairman, Halon/Ozone Depletion Project, 1987-88  
Member, Fire Science and Technology Educator's Section  
Member, Committee on Household Fire Warning Equipment, 1973

### **Underwriters Laboratories (UL)**

Member, Board of Trustees, 1992-2003  
Member, Executive Committee, 1999-2003  
Member, Board of Directors, UL Inc., 1992-2003  
Chair, Public Safety and Consumer Affairs Committee, 2003  
Member, Audit Committee, 2003  
Chair, Long Range Strategic Planning Committee, 1996-2002  
Fire Council Member, 1988-1998  
Corporate Member, 1990-2003  
Technical Appeals Board, 1991-1994  
Nominating Committee Member, 1994-1999  
Governance Committee Member, 1999-2002

### **RJA Group**

Member, Board of Directors, 1995-2004  
Member, Audit Committee, 2002-2004

### **CTC, Inc., Public Safety Technology Center**

Member, Board of Trustees, 2004 – present  
Member, Audit Committee, 2007 – present

## **SERVICE AND MEMBERSHIPS (Cont'd)**

### **Worcester Art Museum**

Member, Board of Trustees, 2004- 2009  
Corporator, 1998- 2009  
Marketing Committee, 1999 – 2003  
Education Committee, 2004 – 2008  
    Education Committee Chair – 2006 - 2008  
Stephen Salisbury Society Member, 1999-present  
Salisbury Society Executive Committee, 2002-2003  
Member, Strategic Planning Committee, 2006 – 2007  
    Co-chair, Programs Planning Subcommittee  
    Chair, Education Planning Task Force

### **First Congregational Church of Shrewsbury**

Member, Governing Council, 2003 – 2006  
Chair, 2004 Capital Fund Drive 2004 – 2005

### **Master Singers of Worcester**

Member, Board of Directors, 2004 – 2009  
Vice President, 2006 – 2009

### **Ecotarium**

Corporator, 1995-present  
Buildings and Grounds Committee, 1995-2005

### **International Code Council**

Member, Performance Building Code Committee, 1996-99

### **National Research Council, Board on Infrastructure and the Constructed Environment**

Chair, Committee to Identify Research Needs to Foster Improved Fire Safety in the US, National Research Council, National Academy of Sciences/National Academy of Engineering, 2002 – 2003

### **Salamander Honorary Fire Protection Engineering Society**

Member, Alpha Chapter  
Elected Honorary Member, 2000

### **The Skull Society of Worcester Polytechnic Institute**

Member, 2005 – present

### **International Association for Fire Safety Science**

Member

## **SERVICE AND MEMBERSHIPS (Cont'd)**

### **Congressional Fire Services Institute**

Advisory Board Member, 1989-96

Membership Committee, 1991

### **American Association of Engineering Societies**

Board of Governors, 1989-91

### **Other**

Member, U.S. Fire Administration

Technical Advisory Group on

Community Fire Protection Master Planning, 1998

Member, Conseil International du Batiment (CIB) Task Group 11 on Performance-Based Building Codes, 1993-98

Member, Fire Department Committee, Business Task Force for More Effective Government, Worcester, Massachusetts, 1992-93

Member, Operation Urban Wildfire Task Force (FEMA), 1991-92

Member, Fire Protection Engineering Steering Committee and Advisory Committee, "Analysis of Professional Activities and Requirements of the Engineering Profession", for National Council of Engineering Examiners, 1988-89.

Member, IIT Fire Protection Engineering Study Committee, 1987-88

Member, IIT Frank Wakely Gunsaulus Society

Member, Audio Visual Communicators Association, 1989-91

Member, International Working Group on Fire Safety Engineering Curricula, 1989-92

Member, WPI Financial Records Systems Project Group, 1987-88

Secretary, WPI Department Heads Committee, 1989-1990

Member, Subcommittee on Assessment, Department Heads Committee, 1989

Member, Subcommittee on Revenue Generation and Resource Allocation, WPI Department Heads Committee, 1991-1992

Member, Committee on Graduate Studies and Research Subcommittee on Practice-oriented Graduate Programs, 1996

Member, Public Relations Subcommittee, WPI Department Heads Committee, 1993.

Member, Vice President for University Relations Search Committee, 1993

Student Chapter Advisor, Gamma Chapter, Salamander Honorary Fire Protection Engineering Society, 1984-present

Member, WPI Commission on Innovative Approaches to Graduate Education, 1990-91

Member, Editorial Board, Fire Safety Journal, Elsevier Science Publishers, Ltd., Essex, England 1979-94

Founding Series Editor, Fire Science and Engineering Series, John Wiley & Sons, 1988-92

Contributing Editor, Chief Fire Executive, Firehouse Communications, Inc., New York, 1986-89

Editorial Review Board, Managing Fire Services, International City Management Association, 1976



Member, Program Committee, International Conference on Performance-based Codes and Fire  
Safety Design Methods, Ottawa, Canada, September, 1996

## **HONORS AND AWARDS**

Western Actuarial Bureau Scholarship, 1961-65; Four-year full tuition, room and board, Illinois Institute of Technology.

Outstanding Senior Student Award, Chicago Chapter, Society of Fire Protection Engineers, 1965.

Elected to Salamander Honorary Fire Protection Engineering Society, 1965.

United States Jaycees Distinguished Service Award, 1971.

Columbus Jaycees Ten Outstanding Young Men Award, 1971.

Honorary Life Member, Middlefield (Ohio) Fire Department, 1974.

Distinguished Service Award, Ohio State Arson School, 1975.

Colonel and Aide-de-Camp, Governor's Staff, Executive Department, State of Louisiana, 1976.

Life Member, North Dakota Firemen's Association, 1976.

President's Award, Society of Fire Protection Engineers, 1988.

Man of the Year Award, Automatic Fire Alarm Association, 1988.

Fellow, Society of Fire Protection Engineers, 1989.

Gold Award, Audio Visual Communicators Association, for the video production "Careers in Fire Protection Engineering" (for Worcester Polytechnic Institute), 1989.

Who's Who in Engineering, American Association of Engineering Societies.

Harold E. Nelson Service Award, Society of Fire Protection Engineers, 1993.

Honorary Member, Salamander Honorary Fire Protection Engineering Society, 2000.

John J. Ahern President's Award, Society of Fire Protection Engineers, 2000

Arthur B. Guise Medal and Prize, Society of Fire Protection Engineers, 2002.

Person of the Year Award, Automatic Fire Alarm Association, 2004

William R. Grogan Award for Support of the Mission of WPI, WPI Alumni Association, 2004

## **HONORS AND AWARDS (Cont'd)**

Person of the Year Award, New England Chapter, Society of Fire Protection Engineers, 2004

Elected to The Skull Society of the Worcester Polytechnic Institute, 2005

David A. Lucht Lamp of Knowledge Award, created by the Society of Fire Protection Engineers, 2005, to be given annually to individuals and organizations who stand out in support of higher education

David Rasbash Memorial Medal, Institution of Fire Engineers (London), 2006

## PRESENTATIONS AND PUBLICATIONS

"Legal Requirements for Fire Alarms in Ohio Dwellings", Fire Journal, NFPA, March 1972.

Ohio Dwelling House Code -- Principal investigator and co-author of this model code for one-, two- and three-family dwellings in the State of Ohio, 1972.

A Study Manual for the Ohio Building Code -- Principal investigator and co-author of this study manual for training Ohio building code officials, revised edition, August 1973.

Ohio Fire Code -- Principal investigator and author of this first Ohio Fire Code, 1973.

"Effective Fire Control for Life Safety", Project Administrator and Technical Director, production of color-sound 2x2 slide tape cassette program for this 20-minute technical documentary on automatic fire suppression systems in health care facilities; Austin Productions, Lima, Ohio; June 1974.

"Fire Eyes", Project Administrator and Technical Director for the production of this motion picture, a 27-½ minute, 16mm color-sound educational film (cleared for television use); Austin Productions, Lima, Ohio; August 1974.

Ohio Building Code -- Authored major revisions and new text, 1970-75, pertaining to firesafety in industrialized modular buildings; multi-family residential buildings, housing for the elderly; nursing homes; exhibition halls; high-rise structures; and the design, installation and maintenance of building fire protection systems.

Address, Ohio Fire Chiefs Association Annual Conference, Columbus, Ohio; June 1975.

After Dinner Speaker, International Fire Buffs Association Annual Conference, Columbus, Ohio; July 1975.

Address, State Firemen's Association of New York Conference, Niagara Falls, New York; August 1975.

Address, Ohio Arson Seminar, Columbus, Ohio; October 1975.

Address, 26th Annual Statewide Fire Prevention Conference, Jacksonville, FL; October 1975.

Address, Virginia Fire Prevention Association, Arlington, Virginia; October 1975.

Program Speaker, Fall Conference of the International Society of Fire Service Instructors, Newton, Massachusetts; October 1975.

## **PRESENTATIONS AND PUBLICATIONS (Cont'd.)**

Opening Speaker, National Conference on Master Planning for Community Fire Protection, Orlando, Florida; October 1975.

Speaker, Fire Marshals Association of North America Fall Conference, Pittsburgh, Pennsylvania; November 1975.

Criteria for Full Scale Performance Evaluation of Residential Structures", Engineering Foundation Conference, Virginia Polytechnic Institute, Blacksburg, Virginia; November 1975.

Testimony, Views on State Fire Legislation, West Virginia State Legislature, Charleston, West Virginia; December 1975.

Paper Presented, Luncheon Address before the Annual Meeting of the Ohio Insurance Institute, Columbus, Ohio; December 1975.

Paper Presented, International Conference on Fire Safety, University of San Francisco, San Francisco, California; January 1976.

Keynote Address, Bi-State Fire Prevention Officers Association Conference, Rock Island, Illinois; February 1976.

"The Role of Government in Fire Safety", American Association for the Advancement of Science, Boston, Massachusetts; February 1976.

Paper Presented, Keynote Address, Ohio Governor's Fire Safety Conference, "200 Years of Fire Prevention and Control -- Where Do We Go From Here?" Columbus, Ohio; March 1976.

"The Fire Problem in the United States", contributor, Wingspread II Conference, Racine, Wisconsin, The Johnson Foundation, Racine, Wisconsin; March 1976.

"Design for Fire and Life Safety, Responsibility of the Architect, the Engineer, and the Fire Chief", Second Fire Protection Seminar, San Francisco, California; March 1976.

After Dinner Speech, Illinois Institute of Technology Research Institute Conference on Protection for Fire Fighters, Chicago, Illinois; March 1976.

Luncheon Speech, Chicago Chapter, Society of Fire Protection Engineers, Chicago, Illinois; March 1976.

After Dinner Speech, Illinois Association of Fire Protection Districts Conference, Springfield, Illinois; March 1976.

## **PRESENTATIONS AND PUBLICATIONS (Cont'd.)**

Keynote Address, Tri-State Fire Seminar, Monaca, Pennsylvania; April 1976.

Address, Fire Marshals Association of North America Annual Meeting, Houston, Texas; April 1976.

"Fire Control in the U.S. -- The Role of the NFPCA", The Building Official and Code Administrator, April 1976.

Keynote Address, California Rural Fire Association Annual Conference, Sacramento, California; April 1976.

Keynote Address, Southern Ohio Industrial Fire Protection Association, Cincinnati, Ohio; April, 1976.

Address, New England Chapter, Society of Fire Protection Engineers, Boston, Massachusetts; April 1976.

"Implementing Federal Fire Legislation", Risk Management Magazine, April 1976.

Keynote Address, Florida State Firemen's Association Annual Conference, Jacksonville, Florida; May 1976.

Keynote Address, Massachusetts Fire Chiefs Conference, University of Massachusetts, Amherst, Massachusetts; May 1976.

Keynote Address, North Dakota State Firemen's Association Annual Conference, Dickinson, North Dakota; June 1976.

Keynote Address, International Association of Fire Chiefs Southeastern Association Annual Conference, Miami, Florida; June 1976.

Keynote Address, Ohio Fire Chiefs Association Annual Conference, Akron, Ohio; July 1976.

After Dinner Speech, Louisiana State Firemen's Association Annual Conference, Opelousas, Louisiana; August 1976.

"NFPCA Designed to Assist Local, State Governments", Fire Engineering, August 1976.

Keynote Address, International Society of Fire Service Instructors State Government Policy Workshop, Atlanta, Georgia; October 1976.

After Dinner Speech, North Carolina Chapter, Society of Fire Protection Engineers Fire Seminar, Charlotte, North Carolina; October 1976.

## **PRESENTATIONS AND PUBLICATIONS (Cont'd.)**

Paper, Second Joint Meeting, Panel on Fire Research and Safety, U.S./Japan Cooperative Program in Natural Resources, Tokyo, Japan; October 1976.

"Education for the Fire Marshal -- A National Perspective", paper presented at Fire Marshals Association of North America Annual Meeting, Cincinnati, Ohio; November 1976.

Keynote Address, Fire Marshals Association of North America, Policy Workshop on State Government Programs, Atlanta, Georgia; February 1977.

Paper Presented, Redmond Symposium on Fire Fighter Occupational Safety and Health (proceedings published), Washington, D.C.; April 1977.

Paper Presented, International Fire Protection Week Conference, Caracas, Venezuela; April 1977.

Address, Ohio Division of State Fire Marshal Fire Prevention and Inspection Seminar, Middlefield, Ohio; April 1977.

Address, Rural Master Planning Conference, Oklahoma City, Oklahoma; May 1977.

Address, Colorado State Firemen's Association 60th Annual Convention, Loveland, Colorado; June 1977.

"Is Our Fire Safety Regulation System Really Working?" Annual Meeting of the National Conference of States on Building Codes and Standards, Bozeman, Montana; September 1977.

Address, South Carolina State Fire Chiefs Association Annual Conference, Charleston, South Carolina; October 1977.

Address, Colorado State Officials Conference, Denver, Colorado; December 1977.

After Dinner Speech, Backstoppers Club, St. Louis, Missouri; November 1977.

"Is our Fire Safety Regulation System Really Working?" The Construction Specifier, December 1977.

"Is Our Fire Safety Regulation System Really Working?" Building Standards, November/December 1977.

"The Federal Role -- Information, Training and Encouragement", Nation's Cities, March 1978.

Address, Fourteenth Biennial Governor's Statewide Safety Conference, Boise, Idaho; March 1978.

## **PRESENTATIONS AND PUBLICATIONS (Cont'd.)**

Keynote Address, Oregon Fire Awareness Conference, Beaverton, Oregon; April 1978.

"Basic Considerations: How Safe is Safe?" Specifying Engineer, May 1978.

Keynote Address, Fire Marshals Association of North America Annual Meeting, Anaheim, California; May 1978.

Dedication of the Ohio State Firemen's Training Academy, Reynoldsburg, Ohio; May 1978.

Address, California Fire Chiefs Association Annual Conference, Anaheim, California; May 1978.

Keynote Address, Annual Ohio Fire Chiefs Association Conference, Troy, Ohio; July 1978.

"Fire Research, Practice and Needs in Universities", Multiprotection Design Summer Institute, DCPA State College, Battlecreek, Michigan; August 1978.

"The Role of the Systems Concept in Fire Safety", National Academy of Sciences Conference on New Approaches to Evaluating Fire Safety in Buildings, Washington, D.C.; September 1978 (Proceedings published 1980).

"Arson: A National Perspective", Annual Meeting of the Society of Chartered Property and Casualty Underwriters, Detroit, Michigan; September 1978.

"Master of Science in Fire Protection Engineering", SFPE Bulletin, June 1979.

"Systematic Fire Safety Programs", Building Operating Management, July 1979.

Fire Prevention Planning and Leadership for Small Communities, (book) published by NFPA, 1980.

"The Pros and Cons of Federal Grants", 107th Anniversary Conference, International Association of Fire Chiefs, Miami Beach, Florida; September 1980.

"Economics and Politics", Introductory Comments and Session Chairman, U.S. Fire Administration 6th Annual Conference, San Francisco, California; January 1981.

"Symposium Review and Conclusion", Society of Fire Protection Engineers Symposium on Systems Applications, University of Maryland, College Park, Maryland; March 1981. (Proceedings published.)

"Systems Analysis in Fire Engineering", The Building Official and Code Administrator Magazine, November/December 1981.



## **PRESENTATIONS AND PUBLICATIONS (Cont'd.)**

"Graduate Studies in the Fire Sciences", NFPA Annual Meeting, Fire Science and Technology Educators Section, San Francisco, California; May 1982.

"Making Computers Work for You", Federal Emergency Management Agency, National Personnel Management Conference, Ft. Worth, Texas; May 1982.

"Fire Science, Engineering and Graduate Programs", Annual Fall Conference, International Society of Fire Service Instructors, Hartford, Connecticut; October 1982. (Rekindle, Volume 12, Issue 2, February 1983)

"Enhancement of the Professional Quality of People Involved in Building Firesafety", Conference on Communication Between the Fire Research Community and Owner - Operators of Buildings, ABBE, National Research Council, National Academy of Sciences, Washington, D.C.; November 1983. (Proceedings published.)

"Firesafety for Hotels and Residences", Winter Annual Meeting, American Society of Mechanical Engineers, Boston, Massachusetts; November 1983.

"Fire Protection Engineering Graduate Program Takes Hold", Fire Journal, National Fire Protection Association, Vol. 78, No. 2, March 1984.

"Emerging Fire Technology: A Wolf in Sheep's Clothing?" Chief Fire Executive, Vol. 1, No. 1, April/May 1986.

"An Introduction to Fire Dynamics and Fire Protection Engineering Concepts", Massachusetts State Board of Building Regulations and Standards Spring Seminar Series, Worcester Polytechnic Institute, June 3, 1986; Bunker Hill Community College, June 5, 1986.

Keynote Address, "Community Fire Prevention Programs -- It's Up to Us", Community Partnerships Against Fire Conference, Worcester Community Partnership Against Fire Task Force and Housing Information Center; Worcester Polytechnic Institute, October 25, 1986.

Keynote Address, "Fire Protection in the 80's and 90's", Society of Fire Protection Engineers, Pacific Northwest Chapter Annual Symposium, Bellevue, Washington; April 1987.

"An Update on the WPI Graduate Program in Fire Protection Engineering", Fire Technology, Vol. 23, No. 3, August 1987.

"Fire Protection Engineering and Higher Education", Society of Fire Protection Engineers, Connecticut Valley Chapter, Education Seminar, Hartford, Connecticut; September 1987.

"Fire Protection Engineering: A Career on the Rise", Fire Protection Contractor, January 1988.

## **PRESENTATIONS AND PUBLICATIONS (Cont'd.)**

"American Cultural Orientation Toward Firesafety", ISFSI National Video Teleconference on Residential Firesafety, Washington, D.C.; February 1988.

"Careers in Fire Protection Engineering", project director, 8-1/2 minute video production; March 1988.

"Fire Protection Engineering at WPI", project director, 10-minute video production; March 1988.

"Fire Protection Engineering: Past, Present and Future", Society of Fire Protection Engineers, Connecticut Valley Chapter, 10th Anniversary Meeting, Hartford, Connecticut; April 1988.

"Fire Modeling and Hazard Identification Credibility", 26th Annual Risk Management and Employee Benefits Conference -- Capital Conference '88, Risk and Insurance Management Society (RIMS), Washington, D.C.; April 1988.

Co-host Chair and Roundtable Speaker, International Symposium and Round- table on Fire Protection Engineering Methods, National Institute of Standards and Technology, Gaithersburg, Maryland; September 1988.

"Three Big Issues for 2000 and Beyond", Seminar on Asset Enhancement through Engineered Firesafety, Philadelphia-Delaware Valley Chapter, Society of Fire Protection Engineers; October 1988.

"Research Today - Part I", SFPE Bulletin, Society of Fire Protection Engineers, November/December 1988.

Session Chairman, "Reducing the Potential Loss from Fire Detection and Suppression System Actuation in Electronic Areas", and "Fire and Environmental Protection for Special Occupancies", WATTec '89, Knoxville, Tennessee; February 1989.

"Research Today - Part II", SFPE Bulletin, Society of Fire Protection Engineers, January/February 1989.

"Fire Protection Engineering: Facing the Challenge", Fire Journal, National Fire Protection Association, March/April 1989.

"Coming of Age", Journal of Fire Protection Engineering, Society of Fire Protection Engineers, Vol. 1, No. 2, April, May, June 1989.

"Fire Protection and Safety - The Next Ten Years", panel presentation, Underwriters Laboratories Fire Council, Itasca, Illinois; April 1989.

## **PRESENTATIONS AND PUBLICATIONS (Cont'd.)**

Opening Address, International Network for Fire Information and Reference Exchange (inFIRE) Annual Meeting, Worcester Polytechnic Institute, Worcester, Massachusetts; April 1989.

Session Chairman, International Fire Protection Engineering Institute (IFPEI-V), Ottawa, Canada; May 1989.

Speaker, Second International Symposium on Fire Research and Higher Fire Technical Education, Edinburgh, Scotland; June 1989.

Delegate, Convocation of Professional Engineering Societies and the National Academy of Engineering, National Academy of Engineering, Washington, D.C.; June 1989.

"Fire Protection Engineering: Past, Present and Future", Empire State Chapter, SFPE, Syracuse, New York; October 1989.

"Current Issues in Fire Protection Engineering", Joint meeting of Northeast Ohio Chapter and Central Ohio Chapter, SFPE, Mansfield, Ohio; November 1989.

"Challenges of the Future", Pacific Northwest Chapter, SFPE Special Educational Event and NFPA Fall Meeting, Seattle, Washington; November 1989.

"Future Challenges in Fire Protection Engineering", Indiana Chapter, SFPE, Indianapolis, Indiana; April 1990.

"Fire Protection Engineering Issues and Opportunities", Florida Chapter, SFPE, Miami, Florida; April 1990.

"Challenges of the Future", Minnesota Chapter, SFPE, Minneapolis, Minnesota; April 1990.

"Firesafety Design in the 21st Century: Conference White Paper", SFPE, April 1990.

"Fire Protection Engineers and Fire Protection Engineering Technicians: Relationships and Functions", Draft Concept Paper, SFPE, May 1990.

"Two Towers Traditions", Worcester Fire Fighter's Memorial Sunday, Principal Speaker, Worcester, Massachusetts; October 1990.

"Perspective on Fire Protection Engineering", Fire News, NFPA, April/May 1991.

Chairman and organizer, Conference on Firesafety Design in the 21st Century (NSF Grant No. MSM-8913129), WPI, May 1991

## **PRESENTATIONS AND PUBLICATIONS (Cont'd.)**

"Changing the Way We do Business", keynote paper, Conference on Firesafety Design in the 21st Century, WPI, May 1991.

Chairman, Technological Advances in Firesafety Speaker Session, 95th Annual Meeting and Firesafety Exhibit, NFPA, Boston, Massachusetts; May 1991.

"Fire Protection Engineering Issues: A Perspective From WPI", Fire Science and Technology Educators Section, 95th Annual Meeting and Firesafety Exhibit, NFPA, Boston, Massachusetts; May 1991.

"Fire Protection Engineering Education", Invited Lecture, National Institute of Standards and Technology, Gaithersburg, Maryland; June 1991.

Congressional Testimony, Federal Fire Safety Act of 1991, House Subcommittee on Science, Washington, D.C.; September, 1991.

"Report on the Conference on Firesafety Design in the 21st Century", Invited Paper, Fall Engineering Seminars, Society of Fire Protection Engineers, Montréal, Québec; November 1991.

"Barriers to Technological Advances in Firesafety", Invited Paper, 1991 Fall Meeting, National Fire Protection Association, Montréal, Québec; November 1991.

"Media-based Professional Development Programs for Practicing Engineers", Invited Presentation, Fall meeting of the Signaling, Protection and Communications Section, National Electrical Manufacturers Association (NEMA), Washington, D.C.; November 1991.

"Strategies for Shaping the Future", Report on the Conference on Firesafety Design in the 21st Century; March 1992.

Proceedings for the Conference on Firesafety Design in the 21st Century; April 1992.

Organizing Chair, Third International Symposium on Higher Fire Technical Education, WPI, Worcester, Massachusetts; June 1992.

"Changing The Way We Do Business", Fire Technology, Vol. 28, No. 3, August 1992.

Fire Protection Engineering Careers, Young Scholar's Program, University of Hartford, August 1992.

First International Directory, Salamander Honorary Fire Protection Engineering Society, WPI, December 1992.

## **PRESENTATIONS AND PUBLICATIONS (Cont'd.)**

Session Chair, International Network for Fire Information and Reference Exchange annual meeting, Norwood, MA, April 1993.

"Firesafety Design in the 21st Century", American Institute of Architects Building Codes and Standards Symposium, Boston, MA, April 1993.

"International Developments in Building Code Concepts", Society of Fire Protection Engineers, Orlando, Florida, May 1993.

"Emerging Computer Applications Opportunities Overseas", Society of Fire Protection Engineers Symposium on Computer Applications in Fire Protection Engineering, Worcester, MA, June 1993.

"Current Trends in Fire Technology", with J.R. Barnett, one-day symposium, International Association of Fire Chiefs Annual Conference and Exposition, Dallas, Texas, August 1993.

"America Burning: Chapter 18", The Voice, International Society of Fire Service Instructors, November 1993.

"Fire Protection Education and Careers in the 90's", New England Chapter, Society of Fire Protection Engineers, December 1993.

"International Developments in Building Code Concepts", with C.H. Kime and J.S. Traw, Journal of Fire Protection Engineering, Society of Fire Protection Engineers, Vol. 5, No. 4, 1994.

"International Developments in Building Code Concepts", with C.H. Kime and J.S. Traw, Building Standards Magazine, International Conference of Building Officials, Whittier, CA, Jan/Feb, 1994.

Chairman, Northeast Regional Meeting, National Fire Protection Association, Burlington, VT, April, 1994.

"Changing the Way We do Business", IFCI Fire Code Journal, Vol. 2 No. 4, International Fire Code Institute, Spring, 1994.

Session Chairman, National Fire Protection Association 98th Annual Meeting and Fire Safety Exhibit, San Francisco, CA, May, 1994.

"Fire Protection Engineering Education: Coming and Going", Joint meeting of NFPA Fire Science and Technology Educators Section and Society of Fire Protection Engineers, San Francisco, CA, May, 1994.

## **PRESENTATIONS AND PUBLICATIONS (Cont'd.)**

"Engineering Methods, Codes and Standards", Illinois Institute of Technology Alumni Reunion Breakfast, San Francisco, CA, May 1994.

"A Report on Performance Based Codes", Invited Paper, Fire Marshals Association of North America Fall Meeting, Toronto, Ontario, November, 1994.

"Performance Based Codes: Perspective from Experience", Invited lecture, Architects, Engineers and Building Officials Section, National Fire Protection Association Fall Meeting, Toronto, Ontario, November, 1994.

"Strategies for Shaping the Future", Invited Paper and Session Chairman, International Conference on Fire Safety by Design, Newcastle upon Tyne, England, July, 1995 Proceedings.

"Performance-Based Fire Safety Design in the United States: An update from the Society of Fire Protection Engineers" (with B. Meacham), International Conference on Fire Safety by Design, Newcastle upon Tyne, England, July, 1995.

"Performance-Based Design, Fire Protection and Public Policy", Invited Paper and Session Chairman, SFPE International Conference on Fire Research and Engineering" Orlando, FL., September, 1995.

"Performance-Based Codes", State and Provincial Fire Marshals Forum, National Fire Protection Association, Quincy, MA, September, 1995.

"Performance-Based Codes", Invited Lecture, Federal Fire Forum and Building Technology Symposium, NIST, Gaithersburg, MD, November 1995.

"Performance-Based Design", (with/B. Meacham), Plant Services, January, 1996.

"Fire Protection Engineering at WPI - 1865" Fire Protection Contractor, March, 1996.

"Performance-based Engineering", Connecticut Valley Chapter Society of Fire Protection Engineers Annual Meeting, Hartford, CT., April, 1996.

"Distance Learning Programs in Fire Safety", Invited lecture, 1996 Department of Energy Fire Safety Conference, Oakbrook, IL., April, 1996.

"Perspectives on the Transition to Performance-based Codes: The Role of Education", joint meeting of the Research Section and the Architects, Engineers and Building Officials Section, National Fire Protection Association Centennial Annual Meeting, Boston, MA, May, 1996.

## **PRESENTATIONS AND PUBLICATIONS (Cont'd.)**

"Performance-based Building Codes", first meeting of the International Code Council Performance Criteria Committee, Kansas City, MO, August, 1996.

"Performance-based Engineering and Public Policy", Invited Paper, Proceedings of the International Conference on Performance-based Codes and Fire Safety Design Methods, Ottawa, Canada, September, 1996.

"Student Recruiting and Jobs", Invited Lecture, Fire Science and Technology Educators Section, National Fire Protection Association Fall Meeting, Nashville, TN, November, 1996.

Session Chairman, National Fire Protection Association Fall Meeting, Nashville, TN, November, 1996.

Session Chairman, National Fire Protection Association Annual Meeting, Los Angeles, CA, May 1997.

Testimony, President's Commission on Critical Infrastructure Protection, City Hall, Boston, MA, June 1997.

"Fire Protection Engineering at Worcester Polytechnic Institute", FPC Trends, Antwerp, Belgium, June 1997.

Session Chairman, Second International Conference on Fire Research and Engineering, National Institute of Standards and Technology, Gaithersburg, MD, August, 1997.

"The First American Performance-based Building Code", Invited lecture, Architects, Engineers and Building Officials Section National Fire Protection Association Annual Meeting, Cincinnati, Ohio, May, 1998.

Chairman, National Fire Protection Association Regional Meeting, Worcester, MA, October, 1998.

Chair, Second Conference on Firesafety Design in the 21<sup>st</sup> Century, WPI, Worcester, MA, June, 1999.

"The Paradigm Has Shifted", Keynote Paper, Second Conference on Firesafety Design in the 21<sup>st</sup> Century, WPI, Worcester, MA, June, 1999.

"Progress in Professional Practice", Fire Protection Engineering, Society of Fire Protection Engineers, Issue No. 3, Summer 1999.

"Regulatory Reform and Fire Safety Design in the United States", Invited lecture, Third International Conference on Fire Research and Engineering, Chicago, IL, October, 1999.

## **PRESENTATIONS AND PUBLICATIONS (Cont'd.)**

“Regulatory Reform and Fire Safety Design in the United States”, Report on the Second Conference on Firesafety Design in the 21<sup>st</sup> Century, Worcester Polytechnic Institute, June, 2000.

Editor, Proceedings of the Second Conference on Firesafety Design in the 21<sup>st</sup> Century, Worcester Polytechnic Institute, June 2000.

Chair, Workshop to Identify Research Needs to Foster Improved Fire Safety in the U.S., National Research Council, Washington, D.C., April, 2002.

“The Role of Post-Secondary Education in Advancing the Science and Practice of Fire Protection Engineering”, Arthur B. Guise Medal Honors Lecture, NFPA World Safety Congress and Exhibition, Minneapolis, MN, May, 2002.

“Research and Education Needs”, 1<sup>st</sup> Annual Congress on Infrastructure Security for the Built Environment, Washington, D.C., November, 2002.

“The Role of Post-secondary Education in Advancing Fire Protection Engineering,” Fire Protection Engineering Magazine, SFPE, winter, 2003.

“Cultural Tolerance for Fire Disasters,” testimony at the NFPA Special Hearing on Nightclub Fires, World Trade Center, Boston, March, 2003.

“Distance Learning in Fire Protection,” National Fire Protection Association Annual Fire Safety Conference and Exposition, Dallas, TX, May, 2003.

“The Future of Fire Protection,” Keynote address, Halon Options Technical Working Conference, Albuquerque, NM, May, 2003.

Editor, “Making the Nation Safe from Fire: A Path Forward in Research,” National Research Council report, National Academy of Sciences, National Academies Press, Washington, D.C., 2003.

“Lets be Intolerant of Fire Traps,” Op-Ed, Providence Journal, Providence, RI, August 5, 2003.

“Professional Practice in Fire Protection Engineering”, 30<sup>th</sup> FPC Anniversary Keynote, Antwerp, Belgium, December, 2004

“Celebrating Fire Consultancy”, FPC Trends, May, 2005

“The WPI Sprinkler Family Tree”, Fire Protection Contractor, July, 2005



## **PRESENTATIONS AND PUBLICATIONS (Cont'd.)**

“Issues and Opportunities for the Future of Fire Engineering”, The 2006 Rasbash Honors Lecture, Rasbash Lecture Conference, Engineering Council Division, Institution of Fire Engineers, London, June 2006

“Issues and Opportunities for the Future of Fire Engineering, Fire Prevention & Fire Engineers Journal, July, 2006

“Millennials: The New Source of Young Talent”, Fire Protection Engineering Magazine, Society of Fire Protection Engineers, Fall 2007

“Fixing the Shortage of FPE Graduates”, Keynote Address, Society of Fire Protection Engineers Annual Conference and Exposition, Charlotte, NC, October 2008.

“The WPI Program: Starting from Scratch”, Fire Protection Engineering Magazine, Society of Fire Protection Engineers, Issue No. 53, First Quarter, 2012.

##