

Dr. Hejzlar is a Senior Managing Consultant with over 33 years of experience in premises/occupational safety and various aspects of the environmental and toxic health fields. He directs multidisciplinary projects in human factors' systems safety and accident reconstruction related to a broad range of environmental and industrial issues, chemical and hazardous materials exposure, risk assessment, fire/explosion, slip, trip, and fall, premises and occupational health and safety. He also has extensive experience in textile and other polymeric material failure analysis and design applications. In addition to the litigation related projects, Dr. Hejzlar is involved in accident prevention consulting research in slip resistant shoe design, walking surfaces and risk mitigation consulting with major cruise lines and resorts.

Dr. Hejzlar taught technical professional courses in environmental and safety risk management, property condition assessments and occupational safety and health. Projects include health and safety, risk evaluations, training and standards development for the U.S. Department of Defense, property evaluations for the U.S. Department of Agriculture, Technical Professional Training for ASTM, Risk Investigation Feasibility Study process and HAZWOPER training for clients in Asia, and environmental risk training for World Bank Group members in Europe. Dr. Hejzlar has also been appointed and served as panel expert for the Transportation Research Safety Board. In addition to numerous technical papers on accident investigation, ASTM has published his three editions of technical manual on the Phase I and Phase II assessment process and CD-ROM computer-based assessment training. He served for over 10 years including chairmanship on the Committee for Publications for ASTM International overseeing publications of ASTM's industry technical journals. (cont. on pg 2)

Education

PhD, Occupational Safety and Health Engineering. Columbia Southern University. 1999

MS, Business Administration. University of South Florida. 1990

BS, Textile Chemistry. Philadelphia College of Textiles and Science. 1980

Contact Information

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Areas of Specialization

- Industrial and Premises Safety
- Environmental and System Safety Consulting
- Textile and Polymeric Material Failures
- Chemical and Physical Hazard Investigations
- Fire/Explosion
- Chemical Risk Analysis

(cont.) Dr. Hejzlar is involved in standards development related to safety of walkways surfaces and in tribometry research. He is on NFSI Certified Walkway Auditor Safety Specialist and ANSI/NFSI Walkway Auditor Certificate Holder. He chaired the ANSI/NFSI B101.9 Subcommittee that developed NFSI B101.9-2020 Standard Guide for Identification and Elimination of Interior and Exterior Pedestrian Trip Hazards on Walking Surfaces, Stairs, Steps and Ramps.

Licenses & Certifications

- Certified Safety Professional (CSP) #13230. Board of Certified Safety Professionals
- Certified Walkway Auditor Safety Specialist WACH (Walkway Auditor Certificate Holder) ANSI/NFSI

Positions Held

Engineering Systems Inc., Fort Myers, Florida

- Senior Managing Consultant, 2010 – Present
- Senior Consultant, 2005 – 2009
- Director of Environmental Programs, 2001 – 2005

K.C. Breen & Associates, Inc., Fort Myers, Florida

- Director of Environmental Management, 1993 – 2001
- Director of Research, 1990 – 2001

Parker Seal/Parker Hannifin, Naples, Florida

- Quality Assurance and Engineering Manager, 1986 – 1990
- Quality Assurance Manager, 1984 – 1986

Madison Bay Marina Campground & Restaurant, Madison, Maryland

- Owner Operator / Consultant, 1982 – 1984

Polymer Corporation, Reading, Pennsylvania

- Engineering Specialist, 1980 – 1982

Scholler Brothers, Inc., Philadelphia, Pennsylvania

- Research Laboratory Chemist, 1979 – 1980

Scottish College of Textiles, Galashiels, Scotland

- Laboratory Chemist Trainee, 1976 – 1977

BASF, Ludwigshafen, West Germany

- Laboratory Technician, 1976

S.A. Fine Worsteds Co., Capetown, South Africa

- Finishing Foreman, 1974 – 1975

Continuing Education

- **Walkway Auditor Certificate Holder (WACH) Course Assessment** – National Floor Safety Institute (NFSI). Hurst, Texas, September 2023
- **Walkway Auditor Certificate Holder (WACH) Course Assessment** – National Floor Safety Institute (NFSI), Southlake, Texas, July 2020
- **Mold Assessment and Remediation Course** – AAA Construction School Inc, Florida, June 2018
- **Certified Mold Assessor** – CMA – NORMI, Florida, July 2016
- **Walkway Auditor Certificate Holder (WACH) Course Assessment** – National Floor Safety Institute (NFSI), Southlake, Texas, February 2015
- **Premises Safety Training – Slip, Trip, Fall** – Engineering Systems, Inc., Ft. Myers, Florida, June 2014
- **Computer Fire Modeling** – National Association of Fire Investigators, Sarasota, Florida August 2013
- **Walkway Auditor Safety Specialist Certification Training** – National Floor Safety Institute, Southlake, Texas, February 2013
- **Field Service and Maintenance Marathon Training School on RAMJET Compactors and Vertical Bailers** – Vernon, Alabama, May 2011
- **Thermo Fisher Scientific Niton XRF Analyzer Operational Training Course** – Thermo Fisher, Florida certificate number 11:250038000000 eXD8a, July 2009
- **National Fire, Arson & Explosion Investigators** – National Fire Protection Association, Denver, Colorado, Spring 2009
- **Pedestrian / Bicycle Crash Investigations** – IPTM, University of North Florida, Jacksonville, Florida, Summer 2006
- **Residential Inspection Seminar** – Houston, Texas, Winter 2005
- **MycoMeter Mold Assessment and Testing and Training Course** – Ft. Myers, Florida, Spring 2004
- **Mold: Effective Defense Strategies Seminar** – Houston, Texas, Spring 2003
- **Hazardous Substances Workshop and Bioterrorism Training** – Tampa, Florida, Spring 2003
- **40 Hour Hazardous Waste Operations and Emergency Response Course** – Tampa, Florida, Winter 2000

Professional Affiliations/Honors

American Chemical Society (ACS)

- Member, 1993 - 2025

The American Institute of Chemists (AIC)

- Certified Chemical Engineer (CChE), National Certification Commission in Chemistry and Chemical Engineering, 1993 - 2005
- Certified Professional Chemist (CPC), National Certification Commission in Chemistry and Chemical Engineering, 1993 - 2005

American National Standards Institute (ANSI)

- ANSI/NFSI Standards Committee B101 on Safety Requirements for Slip, Trip and Fall Prevention, Member 2013 – 2025
- NFSI B101.4 Test Method for Measuring the Wet Barefoot Condition of Flooring Materials or Products, Member 2014 – 2020
- NFSI B101.7 Standard Test Method for Lab Measurement of Footwear Outsole Material Slip Resistance, Member 2014 – Present
- NFSI B101.9 Identification and Elimination of Interior and Exterior Trip Hazards on Level and Un-Level Walking Surfaces, Stairs, Steps and Ramps, Chairman 2014 – 2020
- NFSI B101.10 Standard for Preparing, Maintaining, Conditioning and Storing Tribometer Sensor Material, Member 2019 – Present
- NFSI B101.11 Standard for the Prevention of Climate Related Slips, Trips and Falls, Member 2019 - Present

American Railway Engineering and Maintenance-of-Way Association

- Member Committee 13 – Environmental, 2007 - 2012

American Society of Safety Professionals (ASSP)

- Professional Member

American Society for Testing and Materials (ASTM) (retired in 2025)

- Committee C11 on Gypsum and Related Building Materials and Systems
 - Subcommittee C11.01 on Specifications and Test Methods for Gypsum Products
- Committee F13 on Pedestrian / Walkway Safety and Footwear
- Committee E30 on Forensic Sciences
 - Technical Chair for E 30.11 for revision of ASTM E860, 2019 – 2022

- Committee E34 on Occupational Health and Safety, 2011 – Present
- Committee E35 on Pesticides and Alternative Control Agents, 2013 – Present
 - Subcommittee E35.26 Safety to Man, Chair, 2007 – 2009
- Committee C15 on Manufactured Masonry Units, 2015 – Present
- Committee F15 on Consumer Products, 2015 – 2022
- Committee F25 on Ships and Marine Technology
- Committee E50 on Environmental Assessment, Risk Management and Corrective Action
 - Data Collection Requirements for Military Deployments, Task Force Chairman, 2004 – 2009
 - Environmental Health Site Assessment for Military Developments Standard, Development Task Force Chairman, 2001 – 2003
 - Environmental Assessment Phase II, Training Development Task Group Chair, 1998 – 1999
 - Environmental Assessment Phase I, Training Development Task Group Chair, 1993 – 2020
- Committee on Publications – Appointed Member 2005 – 2010, Vice Chair 2010 – 2013, Chairman 2014 – 2017

City of Fort Myers Brownfields Advisory Board

- Vice Chairman / Member, appointment by the Mayor and the City Council, 2001 - 2005

Florida Department of Financial Services

- Education Section CE – 2-20, General Lines Property Casualty Approved Instructor, 2007 – 2009

National Academies

- Advisor to the Nation on Science, Engineering and Medicine, Transportation Research Safety Board, Cooperative Research Programs Advisory Expert on Project Panel HM-06, 2007 - 2010

National Association of Fire Investigators

- Member, Certified Fire and Explosion Investigator (CFEI), 2009 – 2019

National Floor Safety Institute (NFSI)

- Certified Walkway Auditor Safety Specialist, Member, 2013 - Present

Texas Region IV

- Region IV Texas Mold Licensing Training Development, Task Group for Assessors and Remediation Professionals Contributing Member, 2003 – 2004
- Texas House Bill 329 / Texas Department of Health / Texas Mold Rules and Regulations Task Group Contributing Member on behalf of Texas Region IV School District, 2003

U.S. DOD/ASTM

- Task Group Leader on Military Deployment Assessment Standards, ASTM/DOD, 2002 - 2009

Peer Reviewer

"Carbon Monoxide Poisoning," **Z. Hejzlar**, Brochure for U.S. Coast Guard, National Marine Manufacturers Association – Development Peer Review, 2017.

Publications

"Manual 43 Technical Aspects of Phase I / II Environmental Site Assessments, Third Edition," **Z. Hejzlar**, Publisher ASTM, Library of Congress ISBN 978-0-8031-7043-8, April 2015.

"Manual 73 Safety and Occupational Footwear," **Z. Hejzlar**, ASTM COP representative, ASTM, April 2014.

"Evaluation of the Dynamics of Heel Contact in Flip-flop Sandals Under Dry and Wet Conditions," **Z. Hejzlar**, International Conference on Fall Prevention and Protection, Tokyo, Japan, October 2013.

"Manual 73 Safety and Occupational Footwear," **Z. Hejzlar**, ASTM COP representative, ASTM, April 2014.

"Evaluation of the Dynamics of Heel Contact in Flip-flop Sandals Under Dry and Wet Conditions in Heel Plant Portion of Gait Cycle Using High-Speed Video," **Z. Hejzlar**, ASTM International Committee of Publications Annual Meeting, September 2012.

"Analyzing the Risk of Daily Life-Revisited for Consumer and Recreational Products," K.C. Breen, W.J. Fischer, **Z. Hejzlar**, International Legal Guide, Global Legal Group, May 2011.

"Applications of X-Ray Fluorescence in Corrosive Drywall Investigations – The Use of X-Ray Fluorescence (XRF) in Detecting and Evaluating Sulfur Impacts on Exposed Copper," **Z. Hejzlar**, K. Klosinski, R. Granica, Meeting on Materials Science & Technology symposium proceedings on Failure Analysis and Prevention Editor(s), MS&T Publications Department, October 2010.

"Applications of X-Ray Fluorescence to Confirm Sulfur Impact to Corrosive Drywall," **Z. Hejzlar**, Journal of Testing and Evaluation, Vol. 39, No. 1, Paper ID JTE 103027, August 2010.

"X-Ray Fluorescence in Corrosive Drywall Investigations: Strontium Levels in Several Corrosive and Non-Corrosive Drywalls and Effects of Drywall Finish on XRF Strontium Detection," **Z. Hejzlar**, Journal of Testing and Evaluation, Vol. 39, No. 1, Paper ID JTE 103087, July 2010.

"Problematic Drywall Impacts in U.S. Residential Construction: Investigating Problematic Drywall Issues," **Z. Hejzlar**, J. McDougal, M.L. Hanks, M. Underwood, July 2009.

"Technical Guide for the Collection of Environment Sampling Data Related to Environmental Health Site Assessments for Military Deployments (NMCPHC TM-PM 6490.2 also USACHPPM as the TG-317)," **Z. Hejzlar**, Co-author FDPMU Program Science & Technology, Navy & Marine Corps Public Health Center.

"Manual 43 Technical Aspects of phase I / II Environmental Site Assessments, Second Edition," **Z. Hejzlar**, Publisher ASTM, Library of Congress ISBN 978-0-8031-4273-2, September 2007.

"Use of ASTM Risk Based Corrective Action Standards with Innovative Management Approaches to Achieve Timely Site Closures," **Z. Hejzlar**, Railroad Environmental Conference, University of Illinois, Chicago, Illinois, October 2007.

"Documentation and Preservation of Information in Claims Investigations Using the ASTM Standards," **Z. Hejzlar**, Catmando Inc., Tampa, Florida, February 2007.

"Environmental Health Site Assessment Process for Military Deployments," Co-Author, **Z. Hejzlar**, ASTM Standard Guide E2318-03.

"Computer Based Technical Course Developed for ASTM Environmental Site Assessments for Commercial Real Estate," ASTM, CD-ROM Format.

"The Use of ASTM Standards in Forensic Investigations," The Chemist, 1999.

"Manual 43 Technical Aspects of Phase I / II Environmental Site Assessments," publisher ASTM, Library of Congress ISBN 0-8031-2084-2, December 1999.

"Developments in Alternate Marine Transportation," **Z. Hejzlar**, SAE 951892, Society of Automotive Engineers, Costa Mesa, California, August 1995.

"Investigation and Analysis of Marine Accidents," **Z. Hejzlar**, SAE 930658, Society of Automotive Engineers, Detroit, Michigan, March 1993. Reprinted with permission by the Society of Accident Reconstructionist.

"Operator and Environmental Factors Associated with Off-Road Equipment Risk," **Z. Hejzlar**, SAE 921711, Society of Automotive Engineers, Milwaukee, Wisconsin September 1992.

Presentations

"Relationship between Code Requirements and Human Factors / Biomechanical Aspects of Slip and Trip Incidents," Speaker, **Z. Hejzlar**, NFSI Slip, Trip and Fall Prevention Symposium, Hurst, TX, September 2023.

"Reducing the Risk of Slip and Fall Accidents on Cruise Ships," Speaker, **Z. Hejzlar**, Slips, Trips, and Falls International Conference, Toronto Rehabilitation Institute, June 2017.

"3rd Annual Southwest Florida Brownfield Symposium," Speaker, **Z. Hejzlar**, Florida Department of Environmental Protection, presented at Lee County Public Education Center, Ft. Myers, Florida, March 20, 2015.

"Risk Assessment of Walkway Surfaces Using Dynamic and Static Coefficient of Friction Tribometers and Update on Slip Resistance Measurement Standards," Speaker, **Z. Hejzlar**, American Society of Safety Engineers (ASSE), Ft. Myers, Florida, August 2013.

"Industry Update: Foreign Drywall," Speaker, **Z. Hejzlar**, Cape Coral Construction Industry Association, Cape Coral Construction Industry Association, Cape Coral, Florida, May 2010.

"Materials Analysis – Portable X-Ray Fluorescence," Speaker, **Z. Hejzlar**, Technical Symposium on Corrosive Imported Drywall, UF, USF, Hinkley Center and FL DOH, Tampa, Florida, November 2009.

“Applications of Portable X-Ray Fluorescence in Problematic Drywall Investigations,” **Z. Hejzlar**, Engineering Systems Inc., J.Pesce / Thermo Fisher Scientific, poster presentation, Technical Symposium on Corrosive Imported Drywall, UF, USF, Hinckley Center and FL DOH, Tampa, Florida, May 2009.

“Science of Drywall,” Presenter, **Z. Hejzlar**, Harris Martin Chinese Drywall Conference, Orlando, Florida, June 2009.

“Innovative Site Remediation Technologies Training Course,” Presenter, **Z. Hejzlar**, Geo-Environmental Technology Research Center, Tokyo, Japan, April 2004.

“Technical Aspects of Mold Investigations,” Presenter, **Z. Hejzlar**, Nationwide Insurance, Plantation, Florida, March 2003.

“Environmental Assessment – Train the Trainer,” Presenter, **Z. Hejzlar**, Geo-Environmental Technology Research Center, Tokyo, Japan, January 2003.

“Department of Defense Deployment Assessment Training,” **Z. Hejzlar**, Various Military Installations in the U.S. and abroad, 2003 - 2009.

“40 Hour Hazwoper Training,” Presenter, **Z. Hejzlar**, ECO Solutions, Seoul, Korea, December 2000.

“Solving Environmental Management Risk Issues for Clients in European Countries,” **Z. Hejzlar**, Zurich Insurance Company internal technical training, Zurich, Switzerland.

“Environmental Aspects of Commercial Real Estate Transactions Management,” **Z. Hejzlar**, ARVIDA Realty Continuing Education, Bonita Springs, Florida, November 2000.

“Solving Environmental and Brownfields Issues for Clients,” **Z. Hejzlar**, Professional Business Brokers Association, Ft. Myers, Florida, October 2000.

“ASTM Standards in Products and Personal Injury Litigation,” **Z. Hejzlar**, Lee County Bar Association, Ft. Myers, Florida, March 2000.

“Technical Aspects of Quick Response Assessments Course,” **Z. Hejzlar**, DEP Hazardous Materials Response Department, New York, New York, January 2000.

“Human Factors of Slips and Falls,” **Z. Hejzlar**, Challenges Conference sponsored by the Florida Department of Health, Lee Memorial Health Systems and Florida Injury Prevention for Seniors, Ft. Myers, Florida, April 1998.

“Phase I and Phase II Environmental Site Assessment Training Courses,” **Z. Hejzlar**, ASTM Technical Professional Training system, various locations worldwide, 3-5 courses per year, 1994 - Present.