

EDUCATION & CERTIFICATIONS

- P. E. - Licensed Professional Engineer (Safety Engineering, CA)
- P. E. - Licensed Professional Engineer (State of Mississippi)
- CPC, CChE - Certified Professional Chemist & Chem. Engineer (National Inst. of Chemists & Chemical Engineers)
- FRSC, CChem - Chartered Chemist and Fellow (Royal Institute of Chemistry, London, England)
- DEE, IH - Diplomate, American Academy of Environmental Engineers, Industrial Hygiene Engineer
- FTI, Ctext-Fellow, The Textile Institute (Manchester, England)
- BCEE - Board Certified Environmental Engineer
- BCFE - Board Certified Forensic Examiner
- Certified - Arson Detection by the Federal Bureau of Alcohol, Tobacco and Firearms (U.S. Dept. of the Treasury)
- Certified - Chemical Engineer, Senior Member: #0118-003-3
- Certified by The Steel Erectors Association of America in Connector Safety (OSHA Subpart R 1926.761(c)(2)) and Fall Hazards Safety (OSHA Subpart R 1926.761(b))
- Certified - Warnings & Instructions Specialist (University of Wisconsin, Madison, College of Engineering)
- Certified in Motorcycle & Motor Scooter Safety and Operation
- Permanent Certification, University of the State of New York - Chem., Physics, Math, Gen. Science
- Board Certified Forensic Examiner in Chemistry and Chemical Engineering (American Board of Forensic Examiners)
- Board Certified Forensic Examiner in Safety Engineering and Design (American Board of Forensic Examiners)
- Board Certified Forensic Examiner in Fires and Explosions (American Board of Forensic Examiners)
- Board Certified Forensic Examiner in Sports Safety (American Board of Forensic Examiners)
- Senior Classification Systems Safety Society
- Fellow of the Board - American Board of Forensic Examiners
- Diplomate in Forensic Engineering - American Board of Forensic Engineering and Technology (Lifetime)
- Professional Member - American Society of Safety Engineers
- Senior Grade - Systems Safety Society

PROFESSIONAL TECHNICAL EXPERIENCE **(partial)**

- U.S. Delegate-International Standards Organization (ISO) (12 years: ASTM (1964-present))
- Consulted to ABC and CBS News, Eyewitness News (ABC), USA Today and the Discovery Channel.
- Consulted to the Department of Agriculture (Bureau of Mines).

- Consulted to the National Highway Traffic Safety Administration (NHTSA).
- Consulted to the Department of Labor (OSHA).
- Consulted to NIOSH (National Institute for Occupational Safety and Health).
- Consultant on Warnings & Instructions to the Unified Abrasives Manufacturer's Association.
- Consulted to Wave Loch, Inc. (manufacturer of the Flow Rider)
- Consulted to Hudson Bay stores, Canada in risk assessment and human factors.
- Consulted to Home Depot in risk assessment and human factors.
- Consulted to the American Textile Company (warnings & instructions).
- Consulted to Estwing Manufacturing Co. (warnings and instructions).
- Consulted to the Long Island Railroad;
- Consulted to the New York Transit;
- Consulted to the Queensborough Bridge Authority;
- Consultant for the Kaprun fire disaster case (Austria);
- Consultant to Intamin AG (Switzerland-roller coasters);
- Consulted to Family Dollar Stores (safety of products);
- Consulted to Northern Lights (manufacturer of fitness equipment - safety engineering & design)
- Consulted to Sherwin Williams;
- Consulted to The Thompson's Company-Water Seal Product;
- Consulted to The London Hotel, NYC, ADA (American Disability Act) evaluation;

PROFESSIONAL EXPERIENCE — **SPORTS & RECREATION (partial)**

- Technical Director of ForceField FF, LLC 2004-present
- Board Certified Forensic Examiner in Sports Safety (American Board of Forensic Examiners)
- Former Director of Sports, Recreation & the Athletics Division of a national consulting firm for twenty-eight years.
- Experienced in the identification, elimination, and control of hazards in recreation facilities, parks and school environments.
- Over 42 years of experience in consulting on head trauma and brain injuries, concussions, helmet integrity, and head for both children and adults.
- Consulted to municipalities on park & recreation facilities
Consulted on golf cart accidents, rock climbing cases, public and residential playgrounds, inflatables, projectile and flying toys, pool accidents, scooters, snow tubing, exercise equipment and battery and operated toys of all types, trampoline parks and foam pits.