

EDUCATION & CERTIFICATIONS

- BA, MA, MS, PhD, JD
- 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 (Roya Institute of Chemistry, London, England)
- DEE, IH - Diplomate, American Academy of Environmental Engineers,
- Industrial Hygiene Engineer (IH)
- 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 & the Discovery Channel.
- Department of Agriculture (Bureau of Mines)
- National Highway & Traffic Administration (NHTSA)
- Department of Labor (OSHA).
- (National Institute for Occupational Safety and Health (NIOSH)
- Unified Abrasives Manufacturer's Association
- Wave Loch, Inc. (manufacturer of the Flow Rider)
- Hudson Bay stores in Canada (risk assessment and human factors)
- State of California, Dept. of Transportation
- Consulted to Home Depot in risk assessment and human factors
- American Textile Company
- Estwing Mfg. Co.
- Long Island Railroad;
- New York Transit
- Queensborough Bridge Authority
- Kaprun fire disaster case (Austria)
- Intamin AG of Switzerland- manufacturer of roller coasters
- Family Dollar Stores
- Northern Lights -manufacturer of fitness equipment
- Sherwin Williams
- The Thompson's Company
- The London Hotel, NYC, (ADA)
- State of NY, Florida, Mississippi, California, Arkansas

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. Contact and collision sports.
- Over 45 years of experience in consulting on *head trauma and brain injuries*, concussions, and every type of protective headgear.
- Consulted to municipalities on park & recreation facilities, golf cart accidents, rock climbing, public and residential playgrounds, inflatables, projectile flying toys, pool accidents, scooters, snow tubing, and exercise equipment.
- 45 years of experience involved with trampoline accidents in trampoline facilities in addition to the zip line, foam pits and other activities found in trampoline facilities