

Hugh Hoagland
Technical Consultant
ArcWear
e-Hazard



Hugh Hoagland is one of the foremost trainers and researchers in electric arc protection. His NFPA 70E and OSHA 1910.269 Training Programs are used by many Fortune 500 companies and governmental agencies including Alcoa, GM, Toyota, Bechtel, DOE, and hundreds of electric utilities.

Hugh has performed and developed testing (by original research and participation in ASTM, NFPA, ANSI, CSA and ISO standards groups) for the electric arc since 1994 and has performed over 25,000 electric arc tests on clothing, faceshields, fall protection harnesses, personal protective gear and rainwear. Hugh holds multiple patents on devices protecting workers from electric arc and has multiple inventions in the area all owned by manufacturers.

Hugh has trained over 80,000 people in arc hazards.

Hugh's publications are numerous in IEEE and safety magazines and he helped invent most of the arc resistant rainwear materials used today and is also co-inventor of the first arc protective faceshield and an adaptation to a hotstick shield for worker protection. Hugh serves as an expert witness and performs accident investigations.

- Member of ASTM International, IEEE (Institute of Electronic and Electrical Engineers) and NFPA (National Fire Protection Association)
- Member IEC (International Electrical Committee) Live Working TC78
- Member CSA (Canadian Standards Association) High Visibility Clothing Committee
- Member CSA (Canadian Standards Association) Z462 Electrical Safety in the Workplace (NFPA 70E porting to Canada)
- Member ANSI 107 ISEA High Visibility Committee

Hugh has a BA from Kentucky Wesleyan College and extensive graduate work at the University of Louisville.

Hugh is a trained chemist and worked in Safety at LG&E Energy for five years as a Technical Consultant. He is a former R&D Director and Technical Manager in Electric Arc. Hugh now consults with hundreds of companies yearly on the electric arc and clothing.