



Hugh Hoagland

Founding Partner, Consultant

Hugh Hoagland is among the world's foremost experts on arc testing and electrical safety. 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 for the electric arc since 1994 and has performed over 25,000 electric arc tests on numerous forms of PPE. 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 has published extensively and sits on several standards committees in both the U.S. and Canada.

Career Highlights

e-Hazard **2004-Present**

Founding Partner, Consultant

- Offers training and arc hazard analysis to customers for electric arc under NFPA 70E, NESC, IEEE 1584 and OSHA 1910.269.
- Personally trained over 80,000 workers.

ArcWear **1997-2022**

President

- Consults with electric utilities as well as clothing, textile, and PPE manufacturers on arc flash rated clothing and materials.
- Performs hazard assessment services to utilities and large electrical customers.
- Personally trained over 40,000-line workers and management for electric utilities and larger electrical users

Publications

- "Arc Flash Pressure and Door Ejection Measurement," Hugh Hoagland, IEEE Transactions on Industry Applications, vol. 56, no.4, pp. 3297-3305, July-August 2020.
- "Theories from Evaluation: How Arc Flash Protective Fabrics Work to Protect in the Hazard," in Performance of Protective Clothing and Equipment; 10th Volume: Risk Reduction Through Research and Testing, eds. B. Shiels and K. Lehtonen (ASTM International, 2016), 27-41.
- "Study of effects of mining industry contaminations on protective properties of arc rated clothing using ASTM F1959," by Hugh Hoagland, Mikhail Golovkov, Robert Pailing, Lionel Smith, Cecil Burton & Claude Maurice, Pulp and Paper Industry Technical Conference (PPIC), Conference Record of 2012 Annual IEEE, 17-21 June 2012, pp. 1-4.

Snapshot

Focus

TRAINING

- Low Voltage
- Utilities
- Electrical Safety Management
- Customized

SERVICES

- Consulting
- Investigations

Career Experience Timeline



Professional Memberships

Institute of Electrical and Electronics Engineers (IEEE), Member
Electrical Safety Committee – Associate Editor for Publications

American Society for Testing Materials, Committee Member, Taskforce Chair

International Electrotechnical Commission (IEC), Project Team Leader, Committee Member

National Fire Protection Association (NFPA), Member

Education

Kentucky Wesleyan College,
Owensboro, KY

B.A.

University of Louisville, **Louisville, KY**

PBACC, Pre-Medical