



HUMAN FACTORS ENGINEER (2 openings: Expert Engineer & Coordinating Engineer)

JOB DESCRIPTION

BACKGROUND

ARCCA's Human Factors Engineers work with a multi-disciplinary team of engineers and scientists for the purpose of reconstructing injury producing incidents and other events to evaluate and determine mechanisms of injury. We are seeking two qualified Human Factors engineers (1 Ph.D. expert level and 1 B.S. or M.S. level) to apply the principles of human factors and biomechanics to the anatomy and physiology of the human body to explore the cause, nature, and severity of injuries. The qualified candidates will have experience in evaluating slip, trip, and fall mishaps, including slip resistance testing on walkway surfaces, analyzing ingress and egress issues, and performing analyses of building codes associated with personal injuries and premises liability.

ROLES & RESPONSIBILITIES

- Apply expertise to environmental conditions and all segments of the human body during slip/trip/fall accidents, construction accidents, and workplace injuries.
- Perform biomechanical analyses, injury causation analyses, slip resistance testing, hazard analyses, lighting surveys, and code analyses.
- Conduct field investigations to gather and analyze slip/trip/fall or mechanical failure data and the related impact on the human body. Review supporting medical and hospital records.
- Conduct or assist with conducting various types of static and dynamic tests.
- Prepare reports of scientific findings and conclusions that can be understood by laypersons and supported by testimony during depositions and trials.
- Prepare and deliver technical/educational presentations to existing and potential client groups and technical conferences.
- Enhance professional/technical knowledge and credibility through continuing education programs, review of technical publications, and preparation of technical papers.

REQUIREMENTS

EDUCATION

- A Ph.D. in Biomechanical Engineering is required for the Expert position. OR, a Masters degree and a P.E. (or ability to obtain a P.E.) is required for the Expert position.
- A Bachelors or Masters degree is required for the Coordinating Engineer position.
- Other relevant degrees/backgrounds will be considered, including: Human Factors, Industrial & Systems Engineering, Kinesiology, or Mechanical Engineering.

OTHER QUALIFICATIONS

- Foundation in the analysis of occupant motion, anatomy of the human body, the effects of impact and inertial forces on occupant injury is preferred.



- Should be knowledgeable in two- and three-dimensional computer analysis programs for object motion and have a willingness to learn the programs used for both vehicles and occupant kinematics.
- Must possess solid verbal and written communications and interpersonal skills.

HOW TO APPLY

Please submit your resume and cover letter to Christie Voelker, Human Resources Director, at jobs@arcca.com.

ARCCA is proud to be an Equal Opportunity Employer