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Fire Research Engineer

US-IL-Northbrook

Job ID 2018-9345**# of Openings** 1**Job Category** Engineering

Overview

Contribute to a Safer, More Secure, and More Sustainable World. At UL, we know why we come to work. Thousands of us around the world wake up every day with one common purpose – to make the world a safer, more secure, and more sustainable place to live. We clear the way for our customers to introduce the latest products, technological advances, and systems in an increasingly complex world so they can provide peace of mind to the market. Our integrity is woven throughout our company and shapes the way we approach and deliver our solutions. We are proud that the work we do every day has a meaningful contribution to society. We continue to build upon our legacy of trusted expertise and partnership to keep our communities safe and secure as we march forward into the future. This helps us to sleep better at night, and we are confident that the millions of people we touch rest easier too.

Under general direction, performs engineering work in Research including project design, hazard identification, product safety considerations, and the documentation necessary to produce and reproduce testing standards. Individual will work in a team environment.

- Assist in conducting studies and analysis to determine the feasibility of various engineering approaches.
- Help to define concepts and criteria to resolve major problems in current programs or approaches.
- Participate in the planning and conducting of experiments to measure the body of scientific knowledge on topics related to hazard based safety engineering.

Projects require substantial knowledge of state-of-the-art engineering principals and theories, and uses professional concepts and procedures to solve a wide range of research based problems.

Responsibilities

- Identifies fundamental knowledge needed to enhance UL's industry and standards position and support the strategy of the aligned categories.
- Applies intensive and diverse knowledge of engineering technology and systems engineering concepts to the specific research tasks. Exercises a high degree of judgment in formulating, evaluating, and correlating broad engineering research concepts and guiding the analysis of unique problems and developing new and improved techniques and methods.
- Analyzes product data and laboratory test results in order to determine causes of problems and develop solutions, and evaluates technical specifications and factors related to process or design objectives.
- Stays ahead of changing technologies, in the field by reading journals and scientific publications, and attending academic conferences.
- Plan, design and complete initial and follow-up procedures as needed to test and validate results.
- Performs other duties as directed.

Qualifications

- University Degree in Fire Protection, Mechanical Engineering, Civil Engineering, Physics or other related technology discipline plus generally two years of direct related work experience. Master's Degree preferred.

Demonstrated general knowledge of engineering disciplines. Demonstrated ability to maintain engineering based academic and applied knowledge and skills.

- Ability to collaborate with peers, and work directly with Research Engineers, Scientists and other team members in order to complete a project from start to finish. Willingness to work hands on in the lab.
- Excellent verbal and written communication skills required. Ability to interface with clients directly and effectively.
- Self-starter, quick learner, and eager to be hands-on. Creativity and curiosity are personal attributes which lead to success in this position.

Grow and Achieve. Growth and development are part of our DNA. Our working environment is a launch pad for our employees to excel. Your growth will be supported with targeted development, rewards and recognition programs, so that you can maximize your potential.

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