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Job Description

Job: Engineer/Scientist

Primary Location: North America-United States-Maryland-Elkton

Travel: Yes, 10 % of the Time

Shift: Day (1st shift)

Schedule: Full-time

Materials Technologist-Fabrics-190371

Gore is a technology-driven global company built on entrepreneurial innovation, integrity, and teamwork. Our diverse portfolio includes everything from high-performance fabrics and implantable medical devices to industrial manufacturing components and aerospace electronics. Through our product leadership, we've been changing lives and changing industries for more than 50 years. What can you change by joining Gore? Visit gore.com/change-life to find out.

Job Description

Best-known as the manufacturer of GORE-TEX fabrics for garments and footwear, Gore manufactures a wide range of high-performance fabrics engineered to protect wearers in demanding environments—from explorers on the North Pole to firefighters, soldiers, and emergency workers. We are looking for a Heat & Flame Protection Technologist to join our research and development team in Elkton, Maryland.

If you are searching for a company where you can make a difference, we're looking for you. In this role, you will drive the fundamental understanding of heat transfer and burn injury prediction in garment systems when exposed to high thermal assaults, and develop and improve test methods and influence strategy to serve our customers' protection needs.

The ideal candidate will:

- Find excitement providing support to R&D for products that are the highest quality and value in their class
- Be able to think independently and work collaboratively with cross-functional teams
- Appreciate and develop strong interpersonal relationships

Responsibilities include:

- Driving fundamental understanding of thermal transfer in laminates and garments (conduction, convection, radiation)
- Developing and improving technologies to serve high heat and flame exposure applications
- Developing and testing prototypes for internal and external evaluations
- Understanding test methods and developing new test methods when appropriate
- Working globally with cross-functional teams to support commercialization of new technologies and global support of currently commercial products
- Educating Gore associates, customers, and industry organizations in fundamental heat & flame understanding and test methods

Required Job Qualifications:

- A PhD in engineering or science OR a bachelors/masters degree plus a minimum of 5 years of relevant research or product development experience.
- Demonstrated experience working with the fundamental principles of heat and mass transfer, along with familiarity in numerical thermal modeling
- Experience with test method development
- Desire and willingness to learn flammability of materials (polymers, composites, textiles)
- Excellent communication skills, including the ability to translate complex ideas into easy-to-understand concepts for a technically diverse audience
- Ability to represent the Enterprise with customer facing experience presenting technical knowledge
- Demonstrated ability to be innovative (e.g. – taking ideas from inception to products, patents)
- Demonstrated skills in design of experiments and statistical data analysis
- Ability:
 - And desire to work hands-on
 - To work independently, as well as part of a team
 - To travel internationally up to 10%

Desired Job Qualifications:

- Heat & Flame or Flame Resistant industry exposure (products and attributes, materials, tests, and standards)
- At least 2 years of relevant experience
- Understanding of flammability of materials (polymers, composites, textiles)
- Current and active involvement / awareness of developments in the field (materials, test methods, regulations)

This position requires access to export-controlled areas and information. Eligible candidates must be "U.S. Persons," meaning any natural person who is a lawful permanent resident of the United States, citizen of the United States or any other protected individual as defined by 8 U.S.C. §1324b(a)(3).

Gore is committed to a drug-free workplace. All employment is contingent upon successful completion of drug and background screening.

Gore requires all applicants to be eligible to work within the US. Gore generally will not sponsor visas unless otherwise noted on the position description.

Gore is a M/F, Disabled and Vet EEO/AA Employer. (Applies to all positions in the U.S.)



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