

JOB POSTING



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■ security ■ industrial ■ defense ■ medical

Detector Physicist

Description:

Responsible for CdZnTe and CdTe detector research, development, and design as part on an engineering team. Detector design encompasses matching materials, electronics, hybridization and systems integration to meet customer needs. The necessary R&D will ensure that all detector characteristics are fit for purpose thorough the application and development of appropriate modeling and characterization capabilities.

Qualifications – Education/Experience:

- Minimum MS in Physics or Nuclear Engineering with specialization in detector physics
- Minimum of 3 years of experience in semiconductor detector design and/or fabrication.
- Strong background in semiconductor physics and x-ray, gamma ray physics.
- Demonstrated background in the use of simulation tools to predict detector performance.
- Hands-on experience with the design of custom test equipment and instrumentation for detector characterization.
- Development of test software and data analysis algorithms and reporting.

Duties/Responsibilities:

Responsible for CZT and CdTe Detector R&D, design and transfer to production.

Detector characterization and characterization development.

Detector modeling and system modeling.

Customer interaction for requirements capture and project planning.

Physical/Environmental Requirements:

Must be able to wear required safety protective equipment including by not limited to safety glasses, and other protective apparel when in environments requiring same.

Must be a US citizen or permanent resident.

**Disclaimer: This job description describes the general nature and level of work performed in this role. It is not intended to be an exhaustive list of all duties, skills, responsibilities, knowledge, etc. These may be subject to change and additional functions may be assigned as needed by management.*

Please Contact

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