



Job Title : Research Scientist

Company : Saint-Gobain Crystals

Description :

The Research Scientist provides technical support and leadership to the global scintillation business in the areas of scintillation detector product development and the optimization of scintillation detector performance. This support crosses all product lines and includes a variety of scintillating crystals matched with a variety of potential readout devices.

The Research Scientist works within an engineering group that provides technical support, product development, and process optimization throughout the global business organization. The Research Scientist works primarily in product development, focusing on scintillation detector performance and detector test development. In this role, the Research Scientist interacts with product management, customers, and internal technical resources to interpret customer requirements into products with the necessary related nuclear performance tests.

This position requires an entry level PhD. in physics, nuclear engineering, or radiological sciences; or, a Masters degree in similar disciplines with at least 3 years relevant experience. The incumbent should have exposure to various software and modeling programs including Lab View, 3-D CAD, and FMEA. Additional skills in Monte Carol radiation transport simulation, experimental design, and test equipment development are desired.

Job Responsibilities :

The incumbent utilizes sound scientific principles to investigate scintillation detectors and their related performance when constructed from a variety of materials using different readout devices. This requires a fundamental understanding of how scintillating materials work, their interactions with construction materials, and detector electronics.

The Sr. Research Scientist may be asked to function as a project leader. This requires the Sr. Research Scientist to track milestones, costs, and reports relative to the original project goal. Periodic presentations may be required.

As the owner of the Imaging Laboratory, the Sr. Research Scientist will be responsible for working with the internal technical team and customers to procure, develop, and execute lab tests and interpret results. The interpretation of these results is expected to lead to a better fundamental understanding of how scintillating and imaging detectors work; and, based on that understanding, improve their performance through changes in construction.

To apply, or for more details: Please visit our U.S. website and search by job title, or by Ref. Code CP1059
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