

Job Title: Principal Scientist/Program manager

The person will develop and/or have a major role in research, development and applications of, among others, nuclear and atomic based techniques (specifically using neutrons, x-rays and monoenergetic gamma rays) for non intrusive inspection for a major security inspection company.

Responsibilities:

Initiate, plan, and conduct research, development and support engineering, integration and tests of complex inspection technologies that may involve, among others, optical, chemical, atomic and nuclear techniques.

Manage, as appropriate, major internal or external funded R&D programs or tasks within programs, to meet technical, financial and schedule programs' objectives.

Required experience, education and technical skills:

- PhD in nuclear physics, nuclear engineering or nuclear chemistry
- At least 8 years experience in development, management and execution of research and/or development programs involving neutrons and photons
- Track record in R&D programs of >\$1M programs
- Ability to generate and manage proposal for major R&D programs
- Good familiarity with current neutron and photon transport codes
- Good familiarity with other S/W and with modern DAS used in modern nuclear spectroscopy
- Experience in developing automated algorithm and image processing
- Recognition in the field via peer reviewed publications, presentations and patents.

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