

**Scientist - Radiation Physicist, Applied Research Associates Inc., Alexandria VA**

Applied Research Associates, Inc. is seeking a scientist to help develop mathematical models of physical and biological effects of ionizing radiation and other phenomenology associated with nuclear and radiological weapons. The candidate should have a background in health physics, nuclear engineering or physics, and well-developed skills and interest in mathematical modeling and computer programming. The candidate should have an understanding of the physics of ionizing radiation and radiation transport, as well as the radiobiological effects associated with radiation and exposure to radioactive material. In addition, knowledge of the effects associated with chemical, biological and explosive hazards is a plus.

The individual must have good research, analysis, and model development skills. The successful candidate will help to develop mathematical models and software tools in support of hazard detection, consequence assessment and medical planning for emergency response.

Requirements: Candidate must have well developed oral and written communication skills. Required Education M.S. (Ph.D. preferred) in Health Physics, Nuclear Engineering, Physics, or a related discipline. Previous experience with radiation transport modeling or human injury modeling is considered a plus.

The candidates should have good research skills, should be familiar with mathematical or statistical modeling and radiation transport. They should be proficient in MCNP and in analytical tools such as MATLAB, SAS, or Mathematica. Computer programming skills and experience with high performance computing and parallel processing is a plus.

To Apply: Please go to [www.careers.ara.com](http://www.careers.ara.com). Enter SEASSP-20 11-007 in the search.