Computational Scientist

Position Information

Employer: Applied Research Association, Inc
Division: N/A
Title: Computational Scientist
Description: Job Title: Computational Scientist
Job Category: Research and Development
Education: Ph.D. or M.S. plus 3 years equivalent experience
Career level: Entry level

The Santa Barbara Office of Applied Research Associates develops and applies environment and system-effects simulation software to support the Department of Defense. We use and distribute these tools to help design and assess defense technologies that operate in the presence of space weather, space radiation, dynamic radiation belts, and disturbed ionospheric conditions.

We have an entry level position for a Ph.D. or M.S. plus 3 years equivalent experience in computational physics, applied math, chemistry, or a related field. The successful candidate would contribute to improvement of legacy computer models and development of new models. Example modeling areas include multi-fluid magnetohydrodynamics, hybrid particle-in-cell methods, air and plasma chemistry, radiation transport, electromagnetic effects, radiation belts, ionospheric plasma structure, and optical/radio frequency transmission and backgrounds. Experience related to these modeling areas is desired but not required. Programming experience in either FORTRAN or C++ is required.

Applicants selected will be subject to a government security investigation and must meet eligibility requirements for access to classified information.

Information about Applied Research Associates is available at http://www.ara.com

Location: Location #1
City: Santa Barbara
State/Province: California
Country: United States

Position Type: Full Time

Desired Major(s): Mathematical, Life, & Physical Sciences/Chemistry/Chemistry,
Mathematical, Life, & Physical Sciences/Physics, Mathematical, Life, & Physical Sciences/Applied Mathematics

Desired Class Masters, Doctoral
Level(s):
Salary Level: $70,000 or higher
Job Function: Engineering
Approximate 40
Hours Per Week: