Job Title: Marine Research Systems Engineer  
Job ID: 26746  
Project Name: SOEST  
Full/Part Time: Full-Time  
Regular/Temporary: Regular  
Closing Date: 01/15/2007

Job Summary

Regular, Full-Time, RCUH Non-Civil Service position with the School of Ocean and Earth Science and Technology (SOEST), Ocean Technology Group (OTG), located at the University of Hawaii (UH) Marine Center in Honolulu, Hawaii. Continuation of employment is dependent upon program/operational needs, satisfactory work performance, and availability of funds.

Minimum Monthly Salary:  
$3,291.00.

Duties:

- Service, maintain, deploy, operate, and calibrate oceanographic instrumentation and systems aboard University of Hawaii research vessels.
- Diagnose, troubleshoot, and repair problems with mechanical and electrical equipment as problems occur.
- Support and/or supervise deck operations during instrument deployment and recovery, involving the operation and/or direction of cranes, and winches.
- Rig over-the-side instrumentation for safe deployment and operation.
- Support and maintain shipboard computer systems and networks involving Linux, UNIX, Windows, and Apple operating systems.
- Assist with cruise mobilization and demobilization efforts, pre-cruise planning, and other cruise-related duties.
- Communicate with oncoming scientists in advance of their cruises, and insure technical and logistical readiness for their cruises.
- Perform shipboard quality control of oceanographic data, and resolve and fix problems with data acquisition systems as they occur.
- Maintain daily logs of shipboard activities and instrument maintenance.

Minimum Qualifications:

Education:

- Bachelors Degree from an accredited four (4) year college or university in a Physical or Engineering Science, or a combination of technical schooling and relevant job experience.

Experience:

- One to three (1-3) years experience with installation, maintenance, and operation of shipboard research equipment, research instruments and support systems.
- Experience with troubleshooting computer systems (program and system level) and hardware (PC/Windows, UNIX/Linux).
- Experience with data acquisition systems.
Experience conducting field/shipboard experiments which often required odd 24 hour schedules.

**Abil/Know/Skills:**
- Good working knowledge of mechanical and hydraulic systems.
- Working knowledge of electronics, electronic systems, and associated testing hardware (multimeters, scopes).
- Working knowledge and ability to work with synthetic lines, wire rope, cranes, winches, blocks and capstans.
- Computer literacy in terms of computer programming (such as C, C++ or script languages such as PERL, Awk).
- Mechanical skills and aptitude, skills in the use of hand and power tools.
- Demonstrated ability using electronic test tools to troubleshoot analog and electronic circuitry.
- Must have good verbal and written communications skills.
- Able to obtain a valid passport and international travel visas.
- Must have valid driver's license.

**Physical/Medical Requirements:**
- Lift and carry equipment weighing 50 pounds or more, lift/carry/move moderately heavy equipment; work aloft and in confined spaces.

**Desirable Qualifications:**
- Bachelors Degree from an accredited four (4) year college or university in Electrical Engineering.
- Knowledge of and experience with commonly-used oceanographic instrumentation and shipboard equipment.
- Experience in scientific and troubleshooting operations at sea.
- Experience in shipboard over-the-side operations and recovery of equipment or instrumentation.
- Skilled in the use of standard working knots and in the use of hauling equipment such as horizontal/vertical capstan and winches.
- Background in sonar, multibeam, and sound sources.
- Mechanical knowledge, such as hydraulics.
- Awareness of ISO/OSHA rules governing weight handling equipment, and of regulations regarding the handling and disposal of hazardous and radioactive materials.

**Inquiries:**
Bruce Applegate 956-9720 (Oahu).

**Application Requirements:**
The preferred method of applying for a job is through our on-line application process. Please go to www.rcuh.com, click on Employment and navigate to Job Announcements/Apply for a Job. However, if you do not have access to the Internet, you may apply by submitting resume; cover letter including Recruitment ID#, referral source, narrative of your qualifications for position and salary history; names, phone numbers and addresses of three supervisory references and copy of degree(s)/transcripts/certificate(s) to qualify for position by fax (808) 956-5022 or mail to Director of Human Resources, Research Corporation of the University of Hawaii, 2530 Dole Street, Sakamaki Hall D-100, Honolulu, HI 96822 before the closing date. EEO/AA Employer.