



Professional Opportunity

Metrology and Calibration

Job Description

Alphaport, Inc. has an opening for a Metrology and Calibration Engineer onsite at a NASA client facility in Cape Canaveral, FL. This full-time position provides support to the Kennedy Space Center Safety and Mission Assurance Metrology and Calibration Office. Develop and manage general metrology policies and procedure and specific guidance for NASA and KSC with regard to Metrology and Calibration.

Key Responsibilities

- Support the NASA Agency-wide function to ensure measurement assurance is implemented consistently.
- Provide SMA technical support to the Metrology and Calibration Program and the delegated Program Manager at KSC
- Perform reviews of Government and industry metrology requirement standards and report results.
- Support the development, implementation, revision, and enforcement of policies.
- Lead and integrate Agency-funded, Metrology and Calibration Working Group (MCWG) projects as well as projects led by the Metrology and Calibration Program Manager.

Requirements

- Experience in metrology, quality, or instrumentation engineering is essential.
- Mathematical proficiency at the calculus level is a must.
- Ability to perform measurement uncertainty analysis, either by past experience or a high comfort level in analytical calculus is required.
- Technical writing which includes developing policy directives, procedural requirements, and guidance documents is a must.
- Technical support shall include: developing, implementing, and enforcing policy; developing and maintaining supporting documentation, tools and resources, including websites; performing assessments and providing guidance on technical issues; leading projects and collaboration efforts; and reviewing and reporting on Government and industry metrology standards.
- Development of policy and procedural requirements, issuance of guidance documents, and deployment of tools and resources facilitating Center Metrology and Calibration Program implementation across NASA. Provide expertise in calibration and measurement science.
- Support technical assessments of NASA Center's Metrology and Calibration Programs for compliance to NPD 8730.1.
- Develop and issue guidance documents to support the Metrology and Calibration Program (e.g. policy letters, guidelines, handbooks, standards, SMA newsletters, process flow charts, SATERN training, and presentations).



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- Develop, deliver, and instruct measurement quality assurance, measurement uncertainty, and measurement decision risk courses.
- Support the development and deployment of tools and resources facilitating Center Metrology and Calibration Program implementation and sharing of resources across the Agency (e.g. reallocation of measurement and test equipment, development of calibration procedures, development of training courses).
- Support, update, and administer the Metrology and Calibration Website in Knowledge NOW and the calibration capabilities database.
- Support Metrology and Calibration Program assessments, provide review and consultation of technical issues, participate in the Metrology and Calibration Working Group, and provide technical assistance to the Centers.
- Support collaboration efforts across the Agency (e.g. coordinate telecom and face-to-face meetings, conferences, workshops, MCWG video conferences.)

Education and Work Experience

- Minimum BS degree in Engineering or Science
 - Eleven years of directly related experience may be substituted for a BS degree
- Minimum 6 years of experience in engineering, science, related technical discipline; must have recognized expertise in the field of work specified and have the ability to provide leadership and guidance to less experienced engineers
 - Must have 4 years discipline-specific experience (within the 6 years)

Physical Requirements

Kneel, crouch, and manipulate (lift, carry, move) light to medium weights of 10 to 20 pounds. Requires good hand-eye coordination, arm, hand and finger dexterity, including ability to grasp, and visual acuity to use a keyboard, operate office equipment, and read information on spreadsheets and reports. The candidate frequently is required to sit, reach with hands and arms, talk, and hear.

Alhaporl, Inc. is an equal opportunity employer. Qualified applicants will be considered without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality, sex, or veteran status.

Due to contract requirements, U.S. citizenship is required to obtain access to government facilities and systems.

Local candidates only (Cape Canaveral, FL area). No relocation.

To express your interest in this position, please contact Human Resources at hr@alpha-port.com.