POSITION TITLE: LASSO Subject Matter Expert – Physics

REPORTS TO: Director, Space Science and Technology Programs

POSITION SUMMARY:
SURA is seeking a senior scientist to support research and technology development under the Laboratory Support Services and Operations (LASSO) contract at Kennedy Space Center, Florida. The scientist will work to understand and predict – through modeling and experimentation – the way particles move in the lunar surface environment, particularly when the surface is impinged upon by rocket engine blasts or under highly charged (electrostatic) conditions. Applicants must be a U.S. citizen or lawful permanent resident.

MAJOR RESPONSIBILITIES:
• Assist in designing experiments and models to analyze and measure dust particles in atmospheres and vacuums.
• Perform standard scientific work requiring application of techniques and procedures.
• Detect problems when using standardized procedures because of sample conditions, difficulties with the equipment, etc.
• Lead and/or conduct specific phases of projects.
• Propose appropriate analytical methods and techniques. Provide advice and consulting services within scope of scientific knowledge.
• Utilize mathematical principles to analyze data to derive mathematical equations and models.
• Draw conclusions and makes recommendations based on analysis.
• Interpret and record data, conduct analyses, compare findings to relevant studies and local, state, and federal regulations to ensure compliance.
• Draft and finalize documentation, including both professional and project related.
• Support proposal development.
• Assist in other activities as assigned.

EDUCATION:
– Ph.D. with 5-20+ years of experience.

TYPE AND AMOUNT OF SKILLS AND EXPERIENCE:
– Knowledge and understanding physics and advanced mathematics, particularly surface and granular physics.
– Experience with modeling software; Mathematica or COMSOL highly desirable.
– Experience with material engineering is desirable, and aerospace experience is a plus.
– Must be able to manage multiple projects in different research areas simultaneously.
– Must be comfortable working in a dynamic environment where goals and plans change.
– Must process strong communication and writing skills, and have proficiency in general PC computing.

APPLICATION:
To apply, send cover letter and CV to SURA.LASSOjobs@gmail.com by March 20, 2020. Salary commensurate with experience.

SURA is an equal opportunity employer and welcomes all to apply. EOE/M/F/D/V