Space Technology Mission Directorate (STMD)

The Space Technology Mission Directorate (STMD) rapidly develops, demonstrates, and infuses revolutionary, high-payoff technologies by pushing the boundaries of aerospace technology. This organization employs a portfolio approach spanning a range of discipline areas and technology readiness levels to advance technologies for the benefit of NASA, the aerospace industry, other government agencies, and to address national needs. Research and technology development takes place within NASA Centers, in academia and industry, and leverages partnerships with other Government agencies and international partners. STMD invests in crosscutting, transformational technologies that have high potential for offsetting mission risk, reducing cost and advancing existing capabilities, thereby enabling more challenging missions and capabilities for NASA and the Nation.

Detail assignment:

- Develops and implements program plans that address the organization's goals, objectives, metrics, and actions needed to execute the strategic goals and outcomes in the NASA Strategic Plan.

- Manages the Space Technology program, setting priorities and strategies for achieving technology, innovation, and infusion objectives.

- Provides guidance to the strategic acquisition process and oversees implementation of decisions from that process.

- Collaborates with other Mission Directorates, other Headquarters organizations, and Centers to accomplish the Agency's objectives.

- Coordinates STMD's planning, policies, and programs with other NASA Mission Directorates, Government agencies, industry, international participants, and academia.

- Sponsors research and technology development by academia, NASA Centers, other Federal research centers, industry, and others selected through open, competitive solicitations.

- Conducts monthly and gate reviews of program and project performance, evaluating the current and projected status against the established requirements, objectives, and performance goals.

- Represents NASA and STMD in promoting and maintaining good public and community relations and providing for the widest practical and appropriate dissemination of information concerning space technology activities.

- Conducts educational and public outreach program activities in coordination with the Office of Communications and the Office of Education to communicate the value and relevance of NASA's investments in space technology to the Nation.
- Coordinates with the OCT and other Mission Directorates in the development of the Agency technology portfolio and the development of the Agency space technology investment plan.
- Coordinates all international partnership arrangements with OIIR.
- Ensures technology investments prioritization aligns with NASA's long-term unique capabilities as well as achieving NASA's mission and national needs and expanding commercial space.

The Space Technology Research Grants Program features more than 250 active awards to our Nation's universities. The detailee will have a leadership role in annual continuation reviews for all active grant awards, communication of associated technical accomplishments to STMD and other HQ leadership, and solicitation and solicitation topic identification and development. For topic identification and development, the role will involve interaction with Subject Matter Experts agency-wide across the entire spectrum of space technology research areas. This role will also involve developing a strategy for targeted technical communications regarding the program's opportunities in an effort to increase the number of participating universities and departments.

Resource Management Office: Program Analyst:

- Performs financial management, oversight, and analytical assessments that provide programmatic insight, as well as, develop and provide recommended solutions and/or proactive action plan to STMD and NASA leadership team.
- Oversees and monitors program and project resources, budget and workforce, utilization to ensure compliances with the Agency, Administration, Congress policy requirement and directions.
- Collaborates within STMD, Center, and NASA HQ to formulate, develop and manage the SIMD program and project PPBE deliverables.
- Provides and recommends business systems and practices to achieve effective, efficient, and innovative process that would benefit STMD and resource community operations.

Grade levels: GS-14 or GS-15
Location: Headquarters on extended eTDY
Duration: 1 year; with possible extension.
Who will be considered: Civil Servants Only
Communications and Operations Office: Communications Support Specialist:

- Actively assists NASA and STMD in promoting and maintaining good public and community relations and providing for the widest practical and appropriate dissemination of information concerning space technology activities.

- Oversees and conducts communications and public outreach activities and events in coordination with the Office of Communications to communicate the value and relevance of NASA's investments in space technology to the Nation.

- Draft and edit document, brochures and materials for external communications related to Space Technology Mission Directorate (STMD) activities and programs.

- Assists with creation and execution of social media content for STMD

Strategic Planning & Integration: Strategic Analyst:

- Develops and implements the near and far term Strategic Framework to guide technology development essential to return to the moon, and exploration of Mars; ensures technology investments prioritization aligns with NASA's long-term unique capabilities as well as achieving NASA's mission and national needs and expanding commercial space.

- Work closely with both the Program Executives (PEs), Principle Technologist (PTs) and System Capability Lead Team (SCLT) leads for recommending the new technology required to "lead the return of humans to the Moon for long-term exploration and utilization (Space Policy Directive-I)."

- Work closely with STMD PEs to develop program plans that address the organization's goals, objectives, metrics, and actions needed to execute the strategic goals and outcomes in the NASA Strategic Plan.

- Collaborates with OCT, other Mission Directorates, other Headquarters organizations, and Centers to accomplish and capture the Agency's technology objectives, portfolio and investment plan, including the management of TechPort.

- Coordinates STMD's agreements, planning, policies, and programs with other NASA Mission Directorates, Government agencies, industry, international participants, and academia; in coordination with OUR. Facilitate the reporting of project performance, evaluating the current and projected status against the established requirements, objectives, and performance goals.

Grade levels: GS-14 or GS-15
Location: Headquarters on extended eTDY
Duration: 1 year; with possible extension.
Who will be considered: Civil Servants Only
Skills required:
It is important that the candidate's resume demonstrate the following general skills and abilities:

- Technology development program and project management experience.
- Knowledge of the NASA PPBE process, and NASA budget and financial systems (e.g., BobJ, SAP, eBudget).
- Ability to perform programmatic assessment (cost, schedule and risk) which are required to effectively evaluate and gain insight into program and project performances.
- Strategic planning experience is helpful, but not required.
- Knowledge of Agency policy and processes as they relate to Program and project management, especially those contained in the NPR 7120 series of programmatic Agency Procedural Requirements documents.
- Knowledge of innovation best practices and informed risk management approaches.
- Experience performing trade-off analyses, strategic assessment, goal development, data analysis, and technical writing.