



20-004 – Staff Augmentation for Digital Signal Processing Systems Engineers

	Information we need from your organization is listed in the final section of this TechScout Request.
Title	Digital Signal Processing Engineers Staff Augmentation (Labor) Request
Request	The Innovation Sourcing Network is sharing an immediate requirement for Staff Augmentation (Labor) in the form of Digital Signal Processing Systems Engineers to design, develop and test DSP algorithms that are implemented in hardware and software for Space-based systems. We are seeking labor companies who can immediately provide minimum of 2 TS/SCI CLEARED or CLEARABLE DSP Engineers as soon as possible located in Scottsdale, Arizona, San Jose, California or El Segundo, California .
Job Description	<p>Senior Principal DSP Systems Engineers analyze, design, develop and test DSP algorithms that are implemented in hardware and software for Space-based systems. Duties would include:</p> <ul style="list-style-type: none"> • Systems requirements analysis • Signal processing architecture • Algorithm development • Performance verification and validation • Fixed point model conversion for hardware implementation • Software/hardware partitioning and trades • Hardware/software implementation collaboration • Hands-on system performance verification and validation in the lab <p>Candidates must demonstrate passion for innovation, a sophisticated understanding of various engineering systems and the ability to further advance General Dynamics Mission Systems technology.</p> <p>Exceptional candidates have work experience of algorithm development for the statistical analysis of signal parameter measurements utilizing techniques from Detection & Estimation Theory, Random Processes Analysis, and Communications and Information Theory. Candidates must also have knowledge of MATLAB for DSP using the related tool boxes. Background with Radar Processing, DSP for mitigating/processing RF effects, Monte Carlo analysis or Phased Array/Beam Forming is a plus. Agile experience preferred.</p> <p>The Senior Principal DSP Systems Engineers position requires a Bachelor’s degree in Electrical Engineering or a specialized area plus a minimum of 10 years of related DSP work experience; or a Master’s degree with DSP specialization plus 8 years of related DSP work experience.</p> <p>CLEARANCE REQUIREMENTS: Candidates must be able to obtain a TS/SCI clearance with polygraph within a reasonable amount of time from date of hire. Applicants selected will be subject to a U.S. Government security investigation and must meet eligibility requirements for access to classified information. Due to the nature of work performed within our facilities, U.S. citizenship is required.</p>
Keyword(s)	Digital Signal Processing, DSP, Algorithms
Response Instructions & Date	Responses Required AS SOON AS POSSIBLE (prior to 3/15/2020 preferred) General Dynamics Mission Systems Innovation Sourcing Network™ (ISN) is seeking respondents to the following TechScout request. This TechScout request does not contain

U.S. export controlled technical data or proprietary information, and is approved by General Dynamics Mission Systems for public release and is in the public domain.

Send email response to techscout@gd-ms.com

TechScout responses should not contain any export controlled technical data or proprietary information.

Response should include the following information

- **A statement that says if you can fulfill the request**
- **Answers to the following questions:**
 - Does your company have a Facility Security Clearance? (See <https://www.dss.mil>)
 - Does your company hold your employees' clearances?
 - To what security level can you hold your employees' clearances?
- **Include your SBA Classification**
- **Include if you are a Non Traditional DoD Contractor**
- **Include any OTA Consortia that you are a member of**

In your response, please identify whether you or your company are located outside the U.S. If located outside the U.S., please identify any home country export controls that will apply to your response. If located in the U.S., please identify whether your company employs non-U.S. manufacturing or design facilities, or foreign nationals in your response.

Any subsequent interaction between General Dynamics Mission Systems and a non-U.S. based TechScout respondent, or a U.S. based TechScout Respondent with non-U.S. manufacturing, design or foreign national employees must be reviewed and approved in advance for U.S. Export Compliance requirements by the General Dynamics Mission Systems Office of Import/Export Compliance prior to any such interaction.

General Dynamics Mission Systems will not be responsible for, nor will it pay for any expense which may be incurred by the supplier in preparation of its TechScout response. Supplier acknowledges and agrees that this TechScout request does not commit General Dynamics Mission Systems to any course of action, including but not limited to, any purchase of supplier's products or services or any future involvement with supplier. The issuance of this request does not bind General Dynamics Mission Systems to accept or review any response, in whole or in part. Subsequent pursuit or action on the part of General Dynamics Mission Systems or the TechScout respondent may require the respondent to comply with aspects of the U.S. International Traffic in Arms Regulations (ITAR) or the U.S. Export Administration Regulations (EAR) including a need to register, or apply for or execute licenses or other authorizations.

Firms or individuals from countries subject to U.S. sanctions are not eligible to participate in this TechScout request. (U.S. Sanctions information may be found at: <https://www.treasury.gov/resource-center/sanctions/Programs/Pages/Programs.aspx>). These sanctions apply comprehensively to Iran, Syria, Sudan, Cuba, and North Korea. In addition, Firms or individuals that appear on the U.S. Government's Consolidated Screening List (available at http://export.gov/ecr/eg_main_023148.asp) are not eligible to participate in this TechScout request."

Questions

Email the Innovation Sourcing Network with any questions or required clarification at techscout@gd-ms.com.