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Please contact DSCI's Human Resource Office hr.career@dsci.com
To submit your resume and apply for a position at DSCI

Electrical Engineer: Analog & Digital Designer:

General Description:

Researches, develops, designs, models, and tests electronic circuit boards, electrical components, equipment, systems, and networks for commercial/industrial, and government/military purposes.

Develops specification of hardware subsystems, design of external and internal interfaces, components and boards, interface to software development, assembly and input to system documentation, integration of electro-optic subsystems and components, test and diagnostics development. Conducts trade off analysis of requirements for performance and operating characteristics versus costs and risks.

Specific Description:

Work with a product development team to support the design, build and test of a video injection device used to simulate tracer rounds and burst for the MILES CVS program. Candidate should have experience designing and building single board embedded processors. Candidate should have video capture and video overlay experience. Candidate should have wireless RF communications experience.

Work with research team on various internal R&D programs. Candidate should have communications and networking experience. Candidate should be familiar with photodetectors and media converters. Electro-optical experience is desired.

The candidate should possess strong electrical design engineering skills and understand operational requirements as he or she will generate detailed electrical layouts, drawings, and engineering documentation. The candidate must be able to interpret requirements and specifications to accurately develop solutions to program needs. The candidate should also have knowledge of operational component capabilities and drawing standards.

The candidate is expected to be able to work independently as well as with other team members. Candidate should have excellent verbal and written communication skills and the ability to work in a team oriented product development organization. Position is responsible for performing development evaluations, analysis, design, and testing of advanced instrumentation and control systems. Candidate must possess comprehensive knowledge of the principles, practices, and procedures associated with the design, development, testing, and operation of advanced instrumentation and control systems.

Technologies

Electronics, circuit cards, power conditioning, analog, digital, photodiodes, video processing, RF & optical communications, embedded processors, pre-amps, TIA, FPA, media converters, laser systems, gigabit Ethernet,

Technical

Requirements: CAD design tool expertise; Electrical modeling software expertise, Windows standard office tools.

Work Location: Orlando, FL

Required Level of

Education or Training: BS EE, or equivalent disciple. MS degree desired.

Required Level

of Experience: Minimum of ten years experience in the electrical engineer field.

Required Level of

Security Clearance: SECRET

