Technovative Applications

Technovative Applications (TA) is a technology leader in advanced sensor systems. Located in Brea, California, TA is a defense contractor that specializes in the fields of highly advanced precision radio frequency interferometer systems, fire control systems, radar systems and miniaturized communications transceivers for a wide range of U.S. military applications.

Technovative Applications' small size provides it the agility to rapidly exploit rapid technology developments and other advancements available within America's diverse and highly innovative commercial electronics, fabrication and software industries. TA takes pride in its ability to design, prototype and demonstrate systems much faster than much larger competitors.

As a growing company, Technovative Applications is constantly searching for employees of exceptional talent, innovators and those interested in working as part of a collaborative team to develop cutting edge technology systems.

Position: Radar Systems Engineer

TA is currently seeking an experienced radar system engineer to provide technical and management leadership to TA's system, software, hardware, integration & test, and field engineering teams.

This position **MAY** require occasional travel and **DOES** requires **BOTH** U.S. citizenship and the ability to obtain a DoD SECRET clearance.

Job Description:

- Systems engineering leader for Technovative Applications radar systems programs
- Lead diverse group of engineers in developing cutting edge technology sensor systems
- Direct oversight and management of the development and execution of engineering efforts including meeting program / project cost, schedule, and technical milestones
- Effective in risk management and mitigation techniques
- Internal management of programs to include recommending staffing, administration, performance evaluations and employee development
- Strong customer focus and ability to act as technical liaison to TA's supporting partners and external customers
- Directly responsible to the President on advancing technical capabilities and innovation as well as achieving affordability targets

Required skills:

- Minimum of 10 years of related radar system engineering experience, 15 years of experience a plus
- Understanding and expertise in radar / RF theory, systems, modular design with strong background in related fields such as power and control systems
- Demonstrated systems engineering experience to include radar system architecture, requirements analysis, design and development

- Knowledge of active electronically scanned antennas, digital waveform generation, radar signal processing techniques
- Radar and antenna positioning and control systems to include encoders, tilt sensors, inertial measurement systems, GPS and precision navigation and timing systems
- Detailed knowledge and understanding of system engineering process, dissection and flow down of system requirements, and the interaction of system and subsystem requirements, ability to define and refine system and subsystem level performance requirements, integration, and test
- Knowledge and understanding of systems for testability, reliability, maintainability, and availability
- Strong computer skills (proficient with Microsoft Office (Word, Visio, PowerPoint, Excel, schematic capture software and SolidWorks)
- Independent problem solving skills, requiring minimum supervision
- Strong communications skills (written, verbal and presentations)
- Strong interpersonal, team-building skills, strong work ethic and self-motivation
- Ability to obtain a U.S. DoD SECRET security clearance is required
- US citizenship

Desired skills:

- Familiar with radar or EW systems, processing, design and development to include evaluation tools (e.g. MATLAB)
- Experience with other advanced SE techniques such as Agile and MBSD is a plus, as is experience in system architecture, analysis, design, trade studies, integration, and test.
- Experience with electronic protection and/or electronic warfare systems highly desired
- Experience with design and/or manufacturing of GaAs, GaN and MMICs is highly desired
- Experience with PCB design, layout and fabrication techniques is highly desired

Required education:

- BS in EE, SE, Computer Science, Physics or equivalent degree; MS or PhD a plus

Benefits:

- Technovative Applications provides a comprehensive set of benefits and one of the most generous 401(k) plans in the industry.