

ENGINEERING FELLOW

Serve as the recognized Subject Matter Expert and technical leader in design of precision control actuation system products (PCAS) for a premier defense contractor based in the southwestern US. In this role, you will successfully architect and design new PCAS products, and help shape the development strategy, and support growth of the team through leadership and apprenticing individuals. Your objectives will include:

- **Strategic Development:** The EF will lead the architecture development of electro-mechanical control and automation systems. The EF will develop strategic approaches that can be used across a wide range of platforms addressing actuators, drives, controls, controllers, software/firmware, control algorithms, sensors, test approaches, make-buy strategy, strategic engagement with suppliers, intellectual property control, and hardware simulation correlation.
- **Design Advanced PCAS Products:** The EF will be responsible for the design of the new PCAS systems, defining the architecture, key characteristics, going into detail on environments, electro-mechanical motor design, gearing, power, harnessing, packaging, structure and other critical design factors, for both subsonic, supersonic, and hypersonic products.
- **Mentoring:** The EF will guide the development of lower level experienced engineering personnel in control system development and seek out and establish apprenticeships to enable a teaching culture at the organization.
- **Failure Investigation:** The EF will ensure execution of and oversee failure investigation expertise for complex, control systems. The EF must be process based and able to drive issues to timely resolution.
- **Research Applications:** Perform applied research in our technology domain. The EF is expected to remain current in the technology, publish papers, and provide peer review expertise. A key objective is the candidate will have a demonstrated track record as a Principal Investigator for applied research projects where the research lead directly to product insertion.
- **Influence IP and Strategic Investment:** Drive intellectual property generation within the business. Seek opportunities and promotion of companies Intellectual Property and Trade Secrets and Develop business cases for strategic IRAD investment and pursue internal and external funding.

BACKGROUND AND EXPERIENCE:

Education: BS degree required. Master's degree in Aerospace or Mechanical Engineering desired.

Security Clearance: Must have the ability to obtain a security clearance.

Experience and Skills: 12 years or more applicable experience focused on controls actuation engineering;

- Candidates require motion control design and implementation experience from a related industry such as aerospace, automation, robotics, or transportation in either a commercial or military application.
- 16+ years professional experience with national recognition in industry is desired.
- Design and system integration of components into a flight vehicle.
- Experience demonstrating the ability to lead multidisciplinary team.
- Experience with missiles/weapons a strong plus.
- Experience generating proposals for PCAS product development is desired

If you have strong interpersonal skills, high EQ (emotional intelligence), love to work with high-powered teams, and want to do cutting edge development, we want to hear from you. Position is based in the Southwestern US.

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