

Orbital Research Inc.

Orbital Research Inc. (ORI) is an award-winning, high-tech, research and development company located in Cleveland, Ohio, conducting applied research and engineering for the development of advanced technology products for sensor, actuator and control systems. We are a cutting-edge company with a fast-paced, results-oriented environment, striving to commercialize technology products while providing high quality contract research and development services to a growing customer base.

Position Title: Senior Controls Engineer

Job Description/Essential Functions:

Minimum Qualifications/Education/Experience (or equivalent combination of experience and education): M.S. Mechanical/Electrical/Controls Engineering. Preferred - M.S. w/ 3-5 years experience or Ph.D.

Experience: Mid-level, 3-5 years of experience in applied control systems engineering

U.S. Citizenship required.

Location: Cleveland, Ohio

Skills Needed: Candidate must possess the following skills:

Skill 1: Candidate must be able to perform detailed design, development and analysis of related mechanical/control systems from concept through development.

Skill 2: Candidate must be able to apply theoretical knowledge and engineering techniques to plan, perform, and direct as required technical activities to ensure that design, integration, and testing conform to system specification and requirements.

Skill 3: Candidate must have experience with modeling mechanical and control systems.

Skill 4: Candidate must have ability to generate engineering drawings, block-diagrams, and technical reports in support of program reporting needs and technical proposals/presentations.

Skill 5: Candidate must have strong verbal & written communication skills, demonstrated documentation / organizational skills, and should be able to work under general direction.

Duties Specific to the Position:

This candidate will become a member of the technical staff within the Aerodynamics Group and provide direct support to one or more assigned programs. The Aerodynamics Group is looking for a Mechanical/Controls Engineer with a background in close-loop actuator control to help in the design, analysis and testing of state of the art software and hardware. These systems include unique microactuation control subsystems and traditional actuator control for aerodynamic systems. The microactuators depend on boundary layer control and transition methods to provide forces for aerodynamic control. Help is needed in the design of new actuation methods, perform systems engineering analysis working from overall operational, space, functional, design and trade-off requirements, evaluates the merits of the design, and develop control algorithms for these systems. Candidate must be able and willing to travel (10%) and work weekends if required to accomplish goals and meet program deadlines.

Please, only qualified candidates need apply!

Benefits

We offer a competitive salary, 401k, Medical, Dental, Life, Long-Term Disability, paid vacation and holidays.

To Apply:

Please forward all resumes in a Microsoft Word Document (No docx please) or PDF to:
jobs@orbitalresearch.com.

Include in the subject line: **Senior Controls Engineer**

EOE Employer – Women and minorities are encouraged to apply.

No relocation is available for this position – only candidates within a commutable distance to Orbital Research, or willing to move themselves to the Cleveland area will be considered.