Title: Engineer VI to Support W² Wind Wave Basin

Department: Advanced Structures and Composites Center

Date:

Reports To: Manager, Offshore Model Testing and Offshore Structural Design

Purpose: The purpose of this position is to manage and execute testing programs in the Advanced Structures and Composites Center W² Wind Wave Basin. This work will include management of operations; growth, budget and resource planning; create, develop and plan new test programs; direct, manage and oversee all engineering and testing multiple research programs and identify partners in industry and to develop proposals for federal, state, and industry-funded R&D.

Essential Duties & Responsibilities:

Scope:
- Reviews laboratory operations for multiple programs seeks improvements and implements changes as necessary
- Manages team of engineers, technicians, and data analysts to deliver successfully on test program.
- Approves progress reports to clients, patent applications and technical publications
- Reviews and approves proposals for research programs
- Develops and maintains an updated timeline for all projects
- Manages Advanced Structures and Composites Center program resources for growth and expansion

Impact:
- Promotes the growth of Advanced Structures and Composites Center R&D as a world-leading research center
- Manages Advanced Structures and Composites Center program resources for growth and expansion
- Position responsibilities and decisions toward final results impact the direction and/or success of more than one project or task in a program.
- Substantial analysis is required in decision making and many factors must be weighed before a decision can be reached because errors are not typically apparent and could result in significant costs or create a serious safety issue/concern.

Contacts:
- Actively contacts potential clients
- Represents Advanced Structures and Composites Center at national technical meetings and trade shows
- Engages clientele in commercialization of Advanced Structures and Composites Center developed technologies
- Involves Advanced Structures and Composites Center personnel/faculty as necessary in proposal writing process to obtain funding
- Establishes collaborative relationships with prospective clients and sponsors
• Organizes and participates in weekly meetings with clients, sponsors, team members and subcontractors
• Requires a high level of contact with other university departments to address issues affecting the strategic objectives of the university and Advanced Structures and Composites Center.
• Position responsibilities can have a major positive or negative impact on public relations or the university’s image. Issues or problems resulting with potential or current clients or industry partners would require the attention of university administrative staff and would typically require formal actions or decisions that could affect the reputation of the university.

Authority:
• Hires, promotes, terminates, disciplines and responds to grievances for supervised staff
• Supervises and instructs administrative and project staff including professional and classified staff as well as a small number of individual graduate and undergraduate students
• Coordinates teams and assigns tasks for completing research program plans

Fiscal Responsibility:
• Analyzes program budgets, approves expenditures, and makes recommendations based on evaluation of fiscal status on accounts totaling up to or exceeding $2.5M
• Administers project budgets, plans and forecasts future expenditures, and approves transactions on accounts totaling up to or exceeding $3.5M
• Delegates fiscal responsibility to others
• Approves purchase of major capital equipment, materials and supplies for use in research projects and programs and daily laboratory use

Perform other reasonably related duties as assigned.

Knowledge & Skill Qualifications:
• M.S. in Engineering or Science required or an equivalent combination of education and experience in naval architecture, mechanical engineering, civil engineering, marine engineering, or related field
• Substantial experience in model testing, offshore structure design, marine systems engineering, or marine instrumentation.
• This position requires more than seven years of relevant professional experience
• Substantial experience in R&D project management and personnel management.
• Demonstrated outstanding oral and written communication skills essential.
• Experience in directing student research desired.
• Demonstrated ability to handle multiple projects and constant deadlines.
• Demonstrated ability to interact with industry members required.
• Demonstrated successful experience in program development.

Position Type: Contingent on funding and successful performance.

Work Schedule: Normal University of Maine business hours are Monday through Friday 8:00 a.m. to 4:30 p.m. Due to the nature of the position, work beyond regular hours (to include evenings and weekends) will be necessary to meet the requirements of the position. The employee shall establish regular office hours and in consultation with the supervisor, adjust the work schedule as appropriate.
**Work Environment:** Work will be performed at the Advanced Structures and Composites Center 100,000 ft² laboratory with a world-leading team of over 150 faculty, staff and students who conduct contract research with a variety of public and private entities.

**Schedule for Evaluation:** In the initial six months of employment and annually thereafter in accordance with the UMPSA agreement.

**Salary:** This position is in Salary Band 8, Job Family 7.

The finalist for this position must successfully complete a pre-employment physical.

All UMS employees are required to comply with applicable policies and procedures, as well as to complete applicable workplace related screenings, and required employee trainings, such as Information Security, Safety Training, Workplace Violence and Sexual Harassment.

Appropriate background checks will be required.