PROJECT TEAM LEADER – Manufacturing Systems

The Commonwealth Center for Advanced Manufacturing (CCAM) is seeking a Project Team Leader to perform research, and assist in leading the Manufacturing Systems research programs of their world-class applied research facility. CCAM, located near Richmond VA, will soon be a leader in research development in the fields of surface engineering and manufacturing systems. The founding and organizing partners of; Rolls-Royce North America, the University of Virginia, Virginia Tech, Virginia State University, Canon, Chromalloy, Newport News Shipbuilding, Sandvik Coromant, Siemens, and Sulzer Metco, will focus on developing innovative and valuable technologies that improve efficiencies, products, and profits.

The Project Team Leader – Manufacturing Systems will lead and execute CCAM’s research programs focused on Manufacturing Systems, ensuring that they are delivered on time and on budget to a high standard of quality. The Project Team Leader is expected to become a leader in Manufacturing Systems and will focus on:

- Computer-aided manufacturing
- Computer-aided process planning
- Manufacturing Execution Systems
- Virtual Reality Systems
- Virtual manufacturing systems
- Process Modeling
- Design for Manufacturing
- Shop Floor Data Acquisition and Integration into Systems
- Integration of manufacturing and design processes
- Emerging manufacturing technologies

PRIMARY RESPONSIBILITIES: Along with the Executive Director, and VP & CTO, the Project Team Leader will serve as a point of contact for Manufacturing Systems research with CCAM’s industry members, organizing university members and program managers at funding agencies. Primary responsibilities will include:

- Execute CCAM’s project management process, to manage budgets, resources, and milestones of individual projects from idea to delivery.
- Assist in selecting, appointing, developing, leading, and evaluating the Team’s technical staff.
- Working with CCAM’s Organizing University Members, aggressively recruit undergraduate, graduate and post graduate interns from the universities to work in CCAM’s research facilities.
- Work with the CCAM Leadership Team to define the research capabilities and required equipment necessary to fulfill CCAM’s requirements and strategic plans.
- Identify technology breakthroughs and developments that can influence the research program and incorporating these where appropriate.
- Work with CCAM’s Organizing University Members, Industry Members and Agency Program Managers to identify and secure Federal Grant Funding for research programs consistent with CCAM’s overall strategy.
- Assist in managing CCAM’s intellectual property portfolio and seek opportunities to patent CCAM’s generic research.
- Lead and enable the development of software solutions (code and algorithms) as part of a manufacturing systems approach.
SPECIFICATIONS: The Commonwealth Center for Advanced Manufacturing is looking for an individual who can lead programs and teams focused on high-technology manufacturing activities and high value manufacturing systems. This will require the Project Team Leader to have:

- A genuine enthusiasm and belief in the development and application of manufacturing systems technologies in industry;
- Experience in developing engineering software systems;
- Experience as technical lead of complex development projects. Relevant experience in the field of manufacturing systems and the ability to learn and guide others in new areas of the field;
- Knowledge of popular programming languages such as Java, C++, C#;
- The ability to perform research, and also lead, manage, and motivate research-minded personnel to business-oriented goals;
- The ability to manage the achievement of time, cost, and quality goals within a research and development environment;
- Ideally, experience working across the academic/industry interface for the delivery of business-focused solutions;
- The ability to easily gain a clear understanding of the research and development needs of Industry Members and the research-related needs of the University Partners;
- The ability to communicate research ideas and concepts in a business and university context at executive and technical levels;
- The ability to identify and secure Federal Funding to enable the sustainment of all of CCAM’s Research and Technology efforts;
- Knowledge of at least one major product lifecycle management (PLM) software (preferably Siemens Teamcenter Software) highly desirable.

EDUCATION: A bachelor’s degree with significant industry experience required; Master’s degree or PhD in a highly related scientific-based discipline preferred.

SECURITY CLEARANCE: Qualified candidates must be able to obtain a U.S. security clearance within 24 months of employment.

TO APPLY: Send cover letter and resume to careers@ccam-va.com. For further information, please visit the CCAM website at http://www.ccam-va.com/ or contact Jeffrey Stafford, Executive Management Search Group, at (434) 243-1032, or by email at: jeffrey.stafford@ccam-va.com.

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