DIRECTOR OF ENGINEERING – Manufacturing Systems

The Commonwealth Center for Advanced Manufacturing (CCAM) is seeking a Director of Engineering to lead 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, and Siemens, will focus on developing innovative and valuable technologies, that improve efficiencies, products, and profits.

The **Director of Engineering – Manufacturing Systems** will lead CCAM’s research program focused on Manufacturing Systems, and is responsible for ensuring it meets its research objectives and goals. The Director of Engineering is expected to be an acknowledged leader in Manufacturing Systems and will focus on:

- Computer-aided manufacturing
- Computer-aided process planning
- Production execution
- Virtual manufacturing systems
- Integration of manufacturing data into the design process

**PRIMARY RESPONSIBILITIES:** Along with the Executive Director, and VP & CTO, the Director of Engineering will serve as the point of contact for Manufacturing Systems research with the CCAM’s industry members and funding agencies. Primary responsibilities will include:

- 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.
- Working with the CCAM Leadership Team to define the research capabilities and required equipment necessary within CCAM’s research building.
- Identifying technology breakthroughs and developments that can influence the research program; and incorporating these in the research program.
- Helping develop the Center’s annual research plan and projects; and the associated goals and objectives.
- Work with CCAM’s Organizing University Members (OUM) to identify and secure Federal Grant Funding for research programs consistent with CCAM’s overall research thrust.
- Successfully meeting the annual research program’s goals and objectives.
- Manage CCAM’s intellectual property portfolio and aggressively seek opportunities to patent CCAM generic research.
- Leading the development of software solutions as part of a manufacturing systems approach.
SPECIFICATIONS: The Commonwealth Center for Advanced Manufacturing is looking for an individual who has successfully led programs or teams focused on high-technology manufacturing activities and Manufacturing Systems. This will require the Director of Engineering to have:

- A genuine enthusiasm and belief in the development and application of Manufacturing Systems technologies in industry;
- Significant and relevant experience working in industry, or a research facility, and directly associated with Digital Manufacturing System design or application;
- The ability to 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;
- 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.

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/](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.

The Commonwealth Center for Advanced Manufacturing is an Equal Opportunity/Affirmative Action Employer.