The Wallace H. Coulter School of Engineering at Clarkson University invites applicants to apply for a Professor of Practice teaching track position.

This position was created to support the advancement of the Solinsky Engineering Leadership Challenge. The Solinsky’s $32M financial commitment to the Challenge represents the largest directed gift in the history of Clarkson University and will result in an $80M investment in engineering over its seven-year duration. The Challenge has a focus on advanced manufacturing and investment will include an anticipated significant expansion and renovation of the engineering building into the Solinsky Engineering Center. It also includes a portfolio of Solinsky Challenge advanced manufacturing initiatives such as: curricular and co-curricular innovation; expanding student engagement in manufacturing-related activities; advancing manufacturing research and technology transfer; significantly increasing Clarkson’s engagement and partnership with industry; and advancing the reputation and visibility of Clarkson’s engineering programs.

Solinsky Challenge success metrics include meeting program milestones; better preparing students for careers in advanced manufacturing; significantly increasing the number and effectiveness of the Solinsky Challenge industry-university and government-university partnerships; growing engineering enrollments; and enhancing the reputation of Clarkson Engineering as measured by US News and other rankings.

**General Purpose:**

The successful applicant will develop and teach assigned undergraduate and graduate courses, mentor student-project teams, and actively engage in departmental and school service activities. Service activities include, but are not limited to supporting ABET assessment; growing industry-sponsored design projects; providing opportunities for students to visit advanced manufacturing facilities; providing academic and career advising and mentoring to students; and contributing to the development of new courses and curricula.

Applications are sought from individuals whose expertise is in the broad area of manufacturing spanning the classical engineering disciplines, such as Mechanical, Chemical, Civil and Electrical engineering. Applicants should have relevant industry experience and be passionate about better preparing engineering graduates to enter the engineering workforce and advancing the economic vitality of the region, state, and nation by regaining US pre-eminence in manufacturing. Candidates must possess the communication and people skills necessary to work with students of all abilities, faculty and staff colleagues, and stakeholders from industry and government. Previous
teaching experience and experience with government-industry-university partnerships and/or design projects is a plus.

**Position Responsibilities:**

**Mentoring and Teaching Responsibilities:**

- Develop and teach classes at the undergraduate and graduate level
- Mentor graduate and undergraduate students on manufacturing-related design projects
- Advise and promote University manufacturing SPEED team (Student Projects for Experiential Education)
- Advise students on curricular and career matters
- Lead educational student-visits to manufacturing sites

**Service Responsibilities:**

- Advise University on ways to promote manufacturing education
- Propose and implement improvements in manufacturing-related facilities at the University
- Participate on department and University committees as assigned by chair of home department
- Help recruit new students into manufacturing-related educational programs
- Foster relations with industry and promote industry-sponsored educational projects

**Research Responsibilities**

- Lead or contribute to scholarly research efforts in the area of manufacturing
- Lead or collaborate with colleagues on industry and government proposals on industry and government proposals on manufacturing topics
- Advise or co-advice graduate students on research projects

**Essential Skills**

- Teach undergraduate and graduate manufacturing-related courses as well as develop curricular material
- Communicate clearly in both oral and written formats
- Interact with colleagues to promote a productive, collaborative environment
- Interact with industry professionals to foster mutually beneficial relationships
- Effectively advise and mentor graduate and undergraduate students
- Organize and coordinate educational outreach efforts
- Generate an exciting and enthusiastic learning environment for students

**Education:**
**Minimal Qualifications:**

- BS plus 10 years of industry experience or MS plus 5 years of industry experience

**Preferred Qualifications:**

- Ph.D. plus 10 years of industry experience and teaching experience

**Application Procedure:**

Interested applicants should submit a letter of interest, curriculum vitae, Diversity Statement and contact information for three professional references through the University’s website at [http://www.clarkson.edu/hr](http://www.clarkson.edu/hr).

An equal opportunity / affirmative action employer, Clarkson actively seeks and encourages applications from minorities, women and people with disabilities. Prior to a final offer of employment, the selected candidate will be required to submit a background check including, but not limited to, employment verification, educational and other credential verification, and criminal background check.