



## DEPARTMENT OF MECHANICAL ENGINEERING FACULTY OPENING: ADVANCED MATERIALS & MANUFACTURING

The Department of Mechanical Engineering at the University of Minnesota-Twin Cities invites applications to a full-time, tenure-track position in the area of advanced materials and manufacturing beginning Fall 2020. Areas of particular interest include but are not limited to: computational design, characterization, processing and synthesis of materials; surface engineering and tribology; additive manufacturing; and scalable and adaptable manufacturing processes to achieve multi-functional materials. The appointment is expected to be at the assistant professor level, but in exceptional cases applicants may be considered for a tenured appointment.

Applicants are expected to hold, or complete by Fall 2020, a Ph.D. in Mechanical Engineering or a closely related discipline and have demonstrated the potential to conduct a vigorous and high-profile research program as evidenced by their publication record and supporting letters from recognized leaders in the field. The ability to teach effectively at both the graduate and undergraduate levels to a diverse group of engineering students is required. The candidate's expertise and documented research and teaching activities must demonstrate a strong potential to enhance the department's research and teaching missions.

### Applications will be considered until the position is filled.

Please submit the following four items as a single pdf uploaded through the University of Minnesota employment system:

<https://hr.myu.umn.edu/jobs/ext/332252>

1. Cover Letter
2. Current CV
3. Statement of Research Vision
4. Statement of Teaching Philosophy and Interests

Additionally, applicants must arrange to have three or more letters of reference (signed and on official letterhead) sent directly to [mesrch@umn.edu](mailto:mesrch@umn.edu)

To receive full consideration, these materials, including reference letters, must be received by **November 15, 2019**.

We particularly welcome applications from candidates from diverse cultures and communities because we believe that diversity helps broaden perspectives and enriches classroom and research experiences within the department and the University of Minnesota.

The **Department of Mechanical Engineering** is home to approximately 44 faculty, 280 graduate students, and 800 undergraduate students. Research in the department addresses the needs of the future and includes applications related to human health, energy production and efficiency, the environment, and transportation. The department is part of the **College of Science and Engineering**, a highly interdisciplinary college comprised of 12 departments covering engineering, physical sciences, and mathematics. The college and the university actively encourage and provide resources for interdisciplinary research collaboration through a broad variety of internal funding mechanisms and college-level institutes. The **University of Minnesota, Twin Cities (UMTC)**, is among the largest public research universities in the country, offering undergraduate, graduate, and professional students a multitude of opportunities for study and research. Located at the heart of one of the nation's most vibrant, diverse metropolitan communities, students on the campuses in Minneapolis and St. Paul benefit from extensive partnerships with world-renowned health centers, international corporations, government agencies, and arts, nonprofit, and public service organizations.

*The University of Minnesota shall provide equal access to and opportunity in its programs, facilities, and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression.*