

Department of Mechanical Engineering: University of Minnesota - Twin Cities

## Faculty Opening

The Department of Mechanical Engineering at the University of Minnesota-Twin Cities invites applications to fill a full-time, tenure-track position in the area of Thermal Sciences beginning Fall 2019. We encourage applications from individuals who have strong foundations in the thermal sciences. Areas of interest include, but are not limited to, thermodynamics; thermal transport in materials; turbulent, multiphase, and microscale fluid flows, and convective heat and mass transport; radiative transport; chemically reactive flows; plasmas and aerosols. Application interests could include power and propulsion systems, biological systems and processes, combustion, manufacturing, and environmental control. The Department encourages applications from individuals with interests in building strong experimental and/or computational research programs and excellent teaching and learning experiences. The appointment is expected to be at the Assistant Professor level, but applicants may be considered for a tenured appointment if they have a particularly strong record of research and teaching accomplishments, scientific leadership, and creativity.

Applicants are expected to hold or complete by Fall 2019 a Ph.D. in Mechanical Engineering (or a closely related discipline) and have demonstrated the potential to conduct a vigorous and significant research program as evidenced by their publication record and supporting letters from recognized leaders in the field. The candidate's expertise and documented research activities must demonstrate a strong potential to enhance both the Department's research and teaching missions. Successful candidates are expected to build strong, externally-funded, highly-visible research programs and to become recognized leaders in their field. Information on the current research activities of the department can be found at <http://www.me.umn.edu/research/index.shtml>. The ability to teach effectively at both the graduate and undergraduate levels to a diverse group of students is required.

The Department of Mechanical Engineering has an internationally recognized faculty, and is part of the College of Science and Engineering, the highly interdisciplinary college of engineering, physical sciences, and mathematics. 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, the University of Minnesota benefits from extensive partnerships with world-renowned health centers, international corporations, government agencies, and arts, nonprofit, and public service organizations.

Additional information and application instructions can be found at <http://www.me.umn.edu>. To assure full consideration, applications should be received by 12/28/2018, but they will continue to be accepted until the position is filled. 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 University of Minnesota. Candidates may contact the chair of the search committee at [mesrch@umn.edu](mailto:mesrch@umn.edu).

*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.*