

Assistant/Associate/Full Professor of Mechanical
Engineering-Heat Pump and Refrigeration
Oklahoma State University

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Posted Sep. 17, 2024, set to expire Jan. 16, 2025

Job Title	Assistant/Associate/Full Professor of Mechanical Engineering-Heat Pump and Refrigeration
Department	Mechanical and Aerospace Engineering https://ceat.okstate.edu/mae/
Institution	Oklahoma State University Stillwater, Oklahoma
Date Posted	Sep. 17, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Assistant Professor Associate Professor Professor
Academic Field(s)	Mechanical Engineering Energy Technology Engineering - Other
Job Website	https://jobs.okstate.edu
Apply Online Here	https://okstate.csod.com/ux/ats/careersite/8/home/requisition/18454?c=okstate

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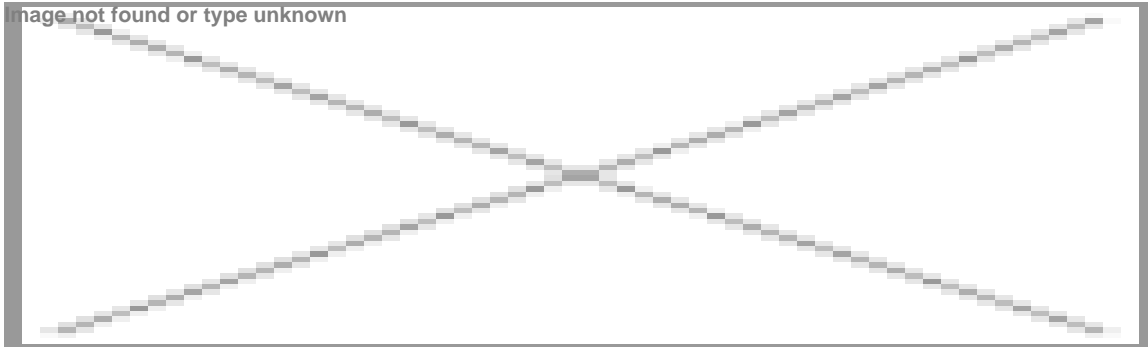
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**Apply By
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**Job
Description**



Assistant/Associate/Full Professor of Mechanical Engineering (Heat Pump and Refrigeration)

The School of Mechanical and Aerospace Engineering (MAE) at Oklahoma State University is pleased to invite applications in the areas of heat pump and refrigeration systems for a tenure-track faculty position at the rank of Assistant, Associate or Full Professor level. Exceptional candidates at the associate and full professor rank will be considered for leadership and chaired positions in the Center for Integrated Building Systems. Versatile candidates with collaborative research interests in emerging building thermal systems technologies, including low GWP refrigerants, compressors, heat exchangers, energy conversion and storage, and multiphase flows are preferred. Applicants should have teaching and research interests in an area of mechanical engineering.

The successful candidate must have demonstrated potential for collaborative research with the HVAC&R industry and for excellent teaching at the undergraduate and graduate levels. An earned Ph.D. in a field closely aligned to mechanical engineering is required, and an earned B.S. degree in mechanical engineering from an ABET accredited or equivalent program is preferred. The research areas of the successful applicant must be in a rapidly developing area and reflect a strong promise of competitive, extramural funding to support building an internationally recognized research program. Preference will be given to candidates interested in collaborative efforts and multi-disciplinary multi-investigator research programs in MAE. The School intends to hire one highly qualified candidate (contingent upon available funding).

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About the School: The School of Mechanical and Aerospace Engineering at Oklahoma State University has a strong local, national, and international reputation for its premier undergraduate and graduate education and research programs. The School has a total of 36 faculty members consisting of a vibrant combination of senior faculty members, and a large number of young and motivated tenure track members: 20 tenured, 13 tenure track, and 3 additional career-track faculty. It has approximately 1,466 full time students: 539 Aerospace Engineering, 594 Mechanical Engineering, and 333 dual-major. Undergraduate laboratories are supported by more than 100,000 sq.ft. of floor space in the new ENDEAVOR building and the Design Manufacturing Laboratories, and research is supported across multiple large-scale facilities including the Advanced Technology Research Center, EXCELSIOR, the Helmerich Research Center (Tulsa), and the dedicated 80-acre Unmanned Systems Flight Station. The School also is home to several national and statewide programs including; CIBS (Center for Integrated Building Systems), OAIRE (Oklahoma Aerospace Institute), NASA Oklahoma Space Grant EPSCoR, Counter-UAS Center of Excellence, LaunchPad Center for Advanced Mobility, and New Product Development Center.

MAE offers undergraduate and graduate degrees on both the main campus and the Tulsa campus reaching a diverse population of traditional and non-traditional students. The School offers ABET accredited degrees in both Mechanical Engineering and Aerospace Engineering. It also offers Masters and PhD degrees in Mechanical and Aerospace Engineering including an option for Unmanned Aerial Systems.

MAE hosts strong research programs that cover a broad spectrum of traditional, emerging, and interdisciplinary areas of interest, including, but not limited to; unmanned aerial vehicles, flight dynamics and aerodynamics, propulsion and power, numerical and experimental solid mechanics, numerical and experimental fluid mechanics, dynamics and controls, manufacturing, thermal systems, biomechanics and biofluids.

The School has developed a highly professional and collegial culture of dedicated professors who are teachers of excellence and researchers with distinction. The School places high emphasis on a collaborative, team-based approach to solve pressing problems in science, engineering, and technology. The new Head is expected to provide leadership to continually enhance that culture while maintaining excellence with respect to its mission of teaching and research.

About the University: Oklahoma State University was established in 1890 as a comprehensive land-grant university. Today, with over 35,000 students across a five-campus system, the university has a strong national presence. Oklahoma State University is an R1 university with its main campus in Stillwater, Oklahoma, a safe city of 50,000 residents with strong public schools and affordable housing

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of high quality. Travel is convenient with an airport in Stillwater, as well as flight options from two cosmopolitan cities—Tulsa and Oklahoma City—which are only 65 miles away.

Qualifications: An earned Ph.D. in a field closely aligned to mechanical or aerospace engineering is required, and an earned B.S. degree in mechanical engineering from an ABET accredited or equivalent program is preferred.

Applications: Interested and qualified candidates should apply online at <https://jobs.okstate.edu>. (Requisition ID: req18454) A single pdf file is requested with your application. The file should include:

- a cover letter;
- a curriculum vita;
- a plan to secure external funding with descriptions of two planned research projects;
- a statement of teaching interests and philosophy;
- names and contact information of five references

Send requests for additional information to the search committee chair, Dr. Daniel Fisher at dfisher@okstate.edu. Review of applications will begin immediately and will continue until the position is filled. Applications received by October 15, 2024, will receive full consideration. For assistance with the on-line application process or to request accommodation to enable application, contact OSU Human Resources, 201 General Academic Building, Stillwater, OK 74078 or call 405-744-7420.

EEO/AA Policy

Oklahoma State University, as an equal opportunity employer, complies with all applicable federal and state laws regarding non-discrimination and affirmative action. Oklahoma State University is committed to a policy of equal opportunity for all individuals and does not discriminate based on race, religion, age, sex, color, national origin, marital status, sexual orientation, gender identity/expression, disability, or veteran status with regard to employment, educational programs and activities, and/or admissions. For [url=https://eeo.okstate.edu/]more information, [/url]visit [url=https://hr.okstate.edu/equal-opportunity/]https://hr.okstate.edu/equal-opportunity[/url].

Contact Information

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Please reference Academickeys in your cover letter when
applying for or inquiring about this job announcement.

Contact Mechanical Search Committee Chair - Dr. Daniel
Fisher
Mechanical and Aerospace Engineering
Oklahoma State University
300 Engineering South
Stillwater, OK 74078

Phone Number 405-744-5900

Contact E-mail dfisher@okstate.edu