

Fully Funded Ph.D. Student Positions for Fall 2024 in
Thermo-Fluids Modeling
Embry-Riddle Aeronautical University

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Posted Feb. 19, 2024, set to expire Jun. 17, 2024

Job Title	Fully Funded Ph.D. Student Positions for Fall 2024 in Thermo-Fluids Modeling
Department	Mechanical Engineering https://daytonabeach.erau.edu/college-engineering/mechanical
Institution	Embry-Riddle Aeronautical University Daytona Beach, Florida
Date Posted	Feb. 19, 2024
Application Deadline	Open until filled
Position Start Date	Aug. 1, 2024
Job Categories	Graduate Student
Academic Field(s)	Mechanical Engineering

Apply By Email

Job Description

Multiscale Advection Diffusion Analysis Lab (MADAL) led by Prof. Leitao Chen in the Mechanical Engineering department at Embry-Riddle Aeronautical University has multiple openings for fully funded Ph.D. positions. Our lab specializes in the development and application of computational models for fluid transport processes that feature multi-scale and multi-physics phenomena for a wide range of applications, including energy systems (including renewables), thermal management, oil and gas recovery, plasma physics, and biofluids.

Preferred candidate qualifications include:

- ? B.S./M.S. degree in engineering, mathematics, physics, or computer science is required.
- ? Expertise in Computational Fluid Dynamics (CFD) or other computational methods.
- ? Solid knowledge of fluid dynamics and heat transfer.
- ? Proficiency in programming languages such as C/C++, Fortran, Python, Matlab

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- ? Experience in High-Performance Computing (HPC) on CPU or GPU platforms.
- ? Knowledge of lattice Boltzmann method (LBM) and other kinetic models.

Applicants must submit: 1) Cover Letter; 2) CV; 3) Transcripts of B.S. and/or M.S. degrees; and 4) Names and contact information of three references to leitao.chen@erau.edu. Screening of the applications will start upon receipt and continue until the positions are filled.

Contact Information

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

Contact Leitao Chen
Mechanical Engineering
Embry-Riddle Aeronautical University
1 Aerospace Boulevard
Daytona Beach, FL 32114

Contact E-mail leitao.chen@erau.edu