

Multiple PhD and Postdoc Positions in Decarbonization
and Electronics Cooling
University of Texas at Dallas

Direct Link: <https://www.AcademicKeys.com/r?job=242643>

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Posted Aug. 2, 2024, set to expire Dec. 2, 2024

Job Title	Multiple PhD and Postdoc Positions in Decarbonization and Electronics Cooling
Department	Mechanical Engineering
Institution	University of Texas at Dallas Richardson, Texas
Date Posted	Aug. 2, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Graduate Student Post-Doc
Academic Field(s)	Sustainable Engineering Polymer Science Mechanical Engineering Food Process Engineering Engineering Physics Energy Technology
Job Website	https://labs.utdallas.edu/dai
Apply By Email	Dai@utdallas.edu

Job Description

The University of Texas at Dallas is offering multiple PhD and postdoc positions in the fields of decarbonization and electronics cooling. Group website: <https://labs.utdallas.edu/dai>.

Decarbonization in Energy Systems: These positions focus on heating and cooling within industrial manufacturing and building energy. Key areas of research include advanced heat exchangers, heat



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pumps, surface coatings, and machine learning-guided design. Outstanding facilities and collaborations with national labs are available to ensure the success of this project.

Decarbonization in Electronics Cooling: These positions focus on power and thermal management of 3D electronics. Specific research areas include MEMS, packaging and integration, acoustic technology, microfluidic cooling, and spray cooling. The project leverages outstanding clean room facilities to support its objectives.

Interested candidates should submit a CV, along with the contact information of three references to Prof. Dai (Dai@utdallas.edu). The actual letters of recommendation are not required at this stage. For inquiries about the positions, feel free to send an email. The Mechanical Engineering at UT Dallas does not need GRE for PhD applications.

The great Dallas area has many industrial manufacturing and semiconductor companies. Lots of people around the world are moving to this area. Some information related to UT Dallas:

1. UT Dallas will lead the Texas Semiconductor Innovation Consortium. [Read more.](#)
2. UT Dallas is on the rise, with increasing size, ranking, and impact. [Read more.](#)
3. UT Dallas Ranks 1st in U.S. Among Universities Under 50 Years Old. [Read more.](#)
4. Texas' cities are booming. The greater Dallas area saw the highest jump. [Read more.](#)
5. Texas gained more relocating businesses than other states. [Read more.](#)

Contact Information

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

Contact Xianming Dai
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