



# GALLOGLY COLLEGE OF ENGINEERING AEROSPACE AND MECHANICAL ENGINEERING

*The UNIVERSITY of OKLAHOMA*

[Dr. Shuozhi Xu's group](#) in the School of Aerospace and Mechanical Engineering (AME) at the University of Oklahoma (OU) is looking for a fully funded Ph.D. student in the fields of **Computational Materials Science and Solid Mechanics**. The position is available starting Fall 2023.

## Qualification

Self-motivated individuals who have research experience in one or more of the following areas are encouraged to apply:

- First-Principles Calculations (e.g., VASP, Quantum ESPRESSO)
- Atomistic Simulations (e.g., LAMMPS)
- Phase-field Modeling (e.g., COMSOL, MOOSE)
- Crystal Plasticity
- Finite Element Modeling (e.g., Abaqus, ANSYS)
- Machine Learning

Please refer to the [application deadlines](#) and [English proficiency requirements](#) for further information. The minimum GPA requirement is 3.0. A student needs to take the GRE test either prior to admission or within the first year of his/her graduate study. There is no minimum GRE score requirement.

## How to Apply

Interested applicants please send an email to Dr. Xu ([shuozhixu@ou.edu](mailto:shuozhixu@ou.edu)) with the subject line "Ph.D. student position application". In the email, please attach your curriculum vitae (including GPA, TOEFL score, GRE score, publications, and names and contact info of three references) and an unofficial transcript. Dr. Xu will contact the applicant within four weeks if he sees a good match. The AME School has two Ph.D. programs: Aerospace Engineering and Mechanical Engineering. The applicant is free to choose either of them. Please refer to the [AME School Ph.D. Requirements](#) for more information.

## About Dr. Xu

Dr. Xu joined OU as a tenure-track Assistant Professor in January 2023. Prior to that, he was a Postdoctoral Scholar at the University of California, Santa Barbara. Dr. Xu obtained a Ph.D. and an M.S. from the Georgia Institute of Technology, an M.S. from the China Academy of Engineering Physics, and a B.S. from the Beihang University. He has authored and co-authored one book chapter and more than 80 journal articles ([Google Scholar](#)). He received awards such as the Materials Research Society Graduate Student Award Silver Medal, Georgia Tech Sigma Xi Best Ph.D. Thesis Award, UC Santa Barbara Elings Prize Fellowship in Science, and Finalist of Rising Stars in Computational Materials Science.

## About OU

Founded in 1890, OU is one of the two Carnegie-R1 Universities in the state of Oklahoma. OU has three campuses: the main campus in Norman, the Health Sciences Center in Oklahoma City, and the Schusterman Center in Tulsa. The AME School is in Norman, a culturally rich and vibrant city that offers plenty to see and do: museums, performing arts, annual art and music festivals, plentiful shopping and dining, miles of outdoor spaces and parks, Division I athletics, and more. Those who make Norman their home are often pleased by its affordability, excellent public schools, and close proximity to Oklahoma City.