



Ph.D. Position Openings:

Dr. Linyue Gao (<https://www.gaolinyue.com/>) at the Department of Mechanical Engineering at the University of Colorado Denver is seeking 1-2 highly motivated Ph.D. students interested in interdisciplinary studies in (1) renewable energy and climate change using numerical simulation, field measurement, and data-driven modeling, or (2) advanced flow diagnostic techniques and their applications in renewable energy and health systems. The lab is committed to solid student mentoring, career and professional development, and recruitment of diverse and minority candidates.

Qualifications (Preferred):

Solid education background in renewable energy, thermal fluid sciences, or meteorology; Programming skills (Python, R, or Fortran), data-intensive processing, and data-driven modeling; Prior experience working with Weather Research and Forecasting Model, OpenFOAM, Particle image velocimetry, LiDAR measurement, etc.; Good communication and writing skills.

Before you apply

Prospective students interested in pursuing research send the following information to Dr. Gao with the subject of “Ph.D. opening” to discuss the potential research projects and their interests before applying in a single email.

- One-page cover letter demonstrating: why you’d like to do scientific research, why you are a good fit for our lab, and what your long-term career goals and aspirations are.
- CV / Resume
- Unofficial copies of university transcript
- Papers, slides, posters, etc. (if any) to show your research/project experience and skills

Application

Submit a complete official application for the Engineering and Applied Science (EAS) Ph.D. program by February 15 for Fall 2023 admission. More detailed information can be found: <https://engineering.ucdenver.edu/graduate-programs/graduate-admissions#ac-engineering-and-applied-science-phd-5>.

Institution information

The University of Colorado Denver (<https://www.ucdenver.edu/>) is an R1 Carnegie classification research institution, belonging to one of four campuses in the University of Colorado System. The University of Colorado Denver offers more than 100-degree programs for more than 15, 000 students, from bachelor's to doctoral level, in the heart of downtown Denver. The university strives to promote a culture of inclusiveness, respect, communication, and understanding. The University of Colorado is committed to diversity and equality in education and employment.

Contact information: Dr. Linyue Gao. linyue.gao@ucdenver.edu