

Two PhD Positions Available in Climate Dynamics

Two fully funded PhD positions are available in the research group of **Professor Hui Su** in the Department of Civil and Environmental Engineering at the Hong Kong University of Science and Technology (HKUST). One position focuses on investigating the physical processes that drive the uncertainties in cloud feedback and climate sensitivity in climate models. The project involves analysis of CMIP6 model simulations and conducting perturbed physics experiments and mechanism-denial experiments using CESM2. The other position focuses on understanding the mechanisms of tropical cyclone rapid intensification and the impacts of climate change on the frequency and magnitude of rapid intensification. **The two positions can start as early as February 2023.** Applicants with a bachelor or master's degree in atmosphere science, physics, ocean science, geography, or related fields are welcome to apply. Programming skills in Python, Fortran, MATLAB, or other languages are required. Proficiency in spoken and written English is desired.

About the HKUST and Postgraduate Studentship:

Established in 1991, the Hong Kong University of Science and Technology (HKUST) is a world-class international research university dedicated to cutting-edge education and research. Situated at the seafront, HKUST is also widely known as one of the most beautiful campuses in the world. In 2021, HKUST is ranked 27th among 1000 universities and #2 in the world's top 50 Universities Under 50 by QS.

The Postgraduate Studentship is about HK\$18,030 per month. Excellent PhD candidates will also be recommended to apply for The Hong Kong PhD Fellowship Scheme (HKPFS), which offers a monthly stipend of HK\$27,100. **Please note the start date for HKPFS awardees is September 2023.**

Application Procedures and Useful Links:

Motivated and interested candidates are encouraged to send your CV, unofficial transcripts, and one-page research statement (including experience, interest, and fit for the research group), with subject "Prospective PhD Candidate - HKUST" to Prof. Hui Su (cehsu@ust.hk). Only shortlisted candidates will be informed.

- Application requirements: <https://prog-crs.hkust.edu.hk/pgprog/2021-22/mphil-phd-civil>
- HKPFS details: <https://cerg1.ugc.edu.hk/hkpfs/index.html>
- Prof. Hui Su's website: <https://www.ce.ust.hk/people/hui-su-suhui>