

Ph.D. students in Computational Ultrasound Imaging
Harbin Institute of Technology

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Posted May 28, 2024, set to expire Sep. 26, 2024

Job Title	Ph.D. students in Computational Ultrasound Imaging
Department	Department of Astronautical Science and Mechanics http://icam.hit.edu.cn/main.htm
Institution	Harbin Institute of Technology Harbin , Heilongjiang, China
Date Posted	May 28, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Graduate Student
Academic Field(s)	Aerospace/Aeronautical/Astronautics
Job Website	http://homepage.hit.edu.cn/hejiaze
Apply Online Here	http://studyathit.hit.edu.cn/18360/list.htm
Apply By Email	
Job Description	

Dear **Master's students**,

I'm Dr. Jiaze He, a tenured professor in the Department of Astronautical Science and Mechanics and a Deputy Director at the International Center for Applied Mechanics at the **Harbin Institute of Technology** (HIT) in China. I warmly invite you to **join my group** (Lab for Computational Imaging and Smart Measurements) as a **Ph.D. student** (English-taught program in Mechanics) in the School of Astronautics.

Before joining HIT, I served as a tenure-track assistant professor in the Department of Aerospace

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Engineering and Mechanics at the University of Alabama, a postdoctoral research associate in the Theoretical & Computational Seismology group at **Princeton University**, a research scholar at **NASA LaRC**, and an adjunct assistant professor in MAE at NCSU. In the United States, I was a PI for five NSF/NASA projects, including an NSF Research Infrastructure Improvement Fellowship. I am also an Executive Committee Member of the ASME Nondestructive Evaluation, Diagnosis & Prognosis Division (NDPD). I served as the Chair of the Congress-Wide Symposium on NDE & SHM at the 2023 and 2024 ASME IMECE.

My lab develops and implements cutting-edge computational ultrasonic imaging methods. Because of recent advancements in high-performance computing and quantitative imaging methods, our group will take the opportunity to push the limits on structural, material, and medical applications. **We have several immediate, fully-funded Ph.D. openings and a Postdoctoral opening** in ultrasonic imaging and inversion, artificial intelligence, high-performance computing, transducer design, and DAQ hardware developing. Required qualifications include a strong mathematical and mechanics background, coding experience (preferably not only with MATLAB), and effective communication (oral and written) skills. Our group members must pay attention to details, strive for improvement, and nourish lasting enthusiasm.

Please contact me directly at jiazehe@hit.edu.cn before applying or if you have any questions.

Related information:

- HIT is ranked #5th by US News for the Best Global Universities for Engineering.
- Our Mechanics program has been consistently ranked within the Top 3 in China.
- My research website: <http://homepage.hit.edu.cn/hejiaze>
- A Scholarship covers the tuition fee, on-campus dormitory, medical insurance, and monthly living allowance. More requirements and information regarding our program and the scholarship can be found here (<http://en.hit.edu.cn/admissions/doctoral>).
- Harbin is a vibrant city with an international ambiance. Feel free to take a look at this video: https://www.bilibili.com/video/BV1sf4y1y7A4/?share_source=copy_web&vd_source=d9a8e05ddf4be4ba

Contact Information

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

Contact Jiaze He

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