



2026 Ph.D. Position in Industrial Engineering

Position Description

The Electrified, Autonomous, and Shared Transportation (EAST) lab in the Department of Industrial and Systems Engineering (ISE) at the University of Tennessee, Knoxville (UTK) invites highly motivated candidates to apply for **one fully funded Ph.D. position starting 2026 Fall**, working under Dr. Hongyu Zheng. Applicants with background in Engineering, Mathematics, Computer Science, or other relevant fields are strongly encouraged to apply.

About the PI

Dr. Zheng is an Assistant Professor in the ISE department with a courtesy appointment in the Department of Civil and Environmental Engineering at UTK. His research centers on the crosscutting field of Industrial Engineering and Mobility. Methodology-wise, he specializes in developing novel tools based on applied economics, game theory, machine learning (ML), optimization, and network modeling. Key areas of his research include, but are not limited to:

- Data-driven modeling for dynamic systems
- Ride-hailing services, such as robotaxi
- Autonomous mobility system design and management
- Smart logistics
- Traffic safety

Dr. Zheng received his Ph.D. in Transportation System Analysis and Planning from Northwestern University. His research has been published in world-leading journals including Transportation Science, Transportation Research Part A, B, and C. For more information, please visit Dr. Zheng's website: <https://zhenghongyu.github.io/>.

About the University of Tennessee, Knoxville

Future mobility is one of the five research focus areas of the University of Tennessee, Knoxville. The Center for Transportation Research offers various programs for graduate students to explore unique research interests and partner with nearby Oak Ridge National Laboratory, the National Institute for Computational Sciences, etc. UTK is Tennessee's flagship university, a campus of choice for outstanding undergraduates, and a premier graduate institution. The campus is located in one of the most beautiful areas of the country, with easy access to pristine state and national parks, miles of inland waterways, and diverse cultural opportunities. Please find more information at <https://www.utk.edu>, https://zhenghongyu.github.io/doc/UTK_Brochure_CN.pdf.

How to Apply

If interested, please send your CV, transcripts, TOEFL (if applicable), and research interests to zheng@utk.edu in an email titled "PhD Application – Your Name – Your University – Start Time".

The position can be fulfilled by one of the following programs (both fully funded with tuition waived):

- **Ph.D. in Data Science and Engineering (highly competitive stipends). DDL: December 1st, 2025.**
<https://breedescenter.utk.edu/data-science/>
- **Ph.D. in Industrial Engineering. DDL: February 1st, 2026.**
<https://tickle.utk.edu/ise/academics/grad/>