

"Open Positions for Ph.D. Candidates and Post-doc (Spring/Fall 2024)

Department of Electrical and Computer Engineering, University of Illinois Chicago

Our research group has **multiple fully funded Ph.D. and Post-doc positions** in the Department of Electrical and Computer Engineering at the University of Illinois Chicago. The Ph.D. candidates and Post-docs will be involved in significant DOE-funded projects and collaborate with top-tier power companies and world-class manufacturers, including ComEd, AES, Eversource Energy, ISO-NE, GE, Siemens Industry, SEL, S&C Electric, and more. More details can be found on our website <https://lhe.lab.uic.edu>. The preferred research areas include modeling, control, and protection of power electronics-based power systems and AI applications in renewable energy integration

If you are interested in applying for the Ph.D. and Post-doc positions, please contact me by email (lhe@uic.edu) and send me a copy of your application materials (transcripts, overall GPA, publications, and GRE/TOEFL scores). Candidates with strong power systems/power electronics/computer science backgrounds and prior research experience are preferred. We are also looking for Visiting Scholars and Visiting Students.



Dr. Lina He is currently a tenure-track Assistant Professor and the Director of the Power Energy Innovation (PEI) laboratory in the Department of Electrical and Computer Engineering at the University of Illinois Chicago, Chicago. She received her Ph.D. degree from University College Dublin, Ireland in 2014 under the supervision of Prof. Chen-Ching Liu (NAE, IEEE Fellow). She also received her Master and Bachelor degrees from Huazhong University of Science and Technology, China in 2009 and 2007, respectively. She served as a Project Manager and Senior Consultant at Siemens headquarter in Germany and Siemens US from 2014 to 2017.

Dr. He is a recipient of the **Distinguished Senior Research and Development (R&D)** Award for the year 2022 from the IEEE Chicago Section for her scientific contribution in the Chicago area. She is also a recipient of the PES Chicago Chapter 2022 **Outstanding Engineer** Award in the category of more than 15 years of experience.

Dr. He received the *"Best Paper"* Award on Power System Modeling and Analysis in the 2016 IEEE PES General Meeting in Boston, MA, USA. She also received the *"Outstanding Reviewer Award"* of *IEEE Transactions on Power Systems* from the IEEE Power & Energy Society in 2014. Her research interests include renewable energy integration, modeling, control, and protection of power electronics-based power systems, machine learning/AI applications in power systems, wide-area protection and cybersecurity, and HVDC control and operation. She is a Senior Member of IEEE.

Welcome to UIC

The University of Illinois at Chicago (UIC) is a public research university located in Chicago, Illinois, United States. Its campus is in the near west side community area, adjacent to the Chicago Loop. The second campus established under the University of Illinois system, UIC is also the largest university in the Chicago area, having approximately 29,000 students enrolled in 15 colleges.

- Ranked 9th (undergraduate) and 12th (graduate) in entrepreneurship program by The Princeton Review and Entrepreneur magazine's survey of more than 700 American schools.
- Ranked the 18th best in the world among universities less than 50 years old in the 2015 Times Higher Education World University Rankings.
- Ranked 48th out of more than 650 universities receiving federal research money in 2005.
- UIC is One of 96 American universities receiving the highest research classification ("RU/VH") by the Carnegie Foundation.

