UBC
Electrical and Computer Engineering

Fully Funded Master's and PhD Positions in Power Electronics/Power Systems

How to make electric power grids smarter, cleaner, and more resilient? How do we provide affordable, clean electricity to the 3 billion people living in poverty globally? If you want to tackle these grand challenges and build a sustainable energy future, consider joining **Power Electronic Systems and Informatics Laboratory (PESIL)** in the Department of Electrical and Computer Engineering at the University of British Columbia (UBC).

PESIL has multiple fully funded Master's and PhD positions available to start in Fall 2025. Our goal is to realize 100% power-electronics-based power grids, by developing enabling technologies including advanced algorithms and power electronic devices. Our research is highly **inter-disciplinary** and bridges fields of power electronics, power systems, control systems, and machine learning.

If you are passionate about clean energy, power electronics, and smart grids, come join us and study in the beautiful city of Vancouver!

The application deadline is **January 15, 2025**. Please check the following websites for the corresponding programs and apply online:

- Master's program: https://ece.ubc.ca/graduate/programs/master-applied-science/
- PhD program: https://ece.ubc.ca/graduate/programs/doctoral-program/

In your application, please select Energy Systems as your research area and indicate my name.

About me: Zhi Jin (Justin) Zhang received the BASc degree in Engineering Science and the MASc degree in Electrical and Computer Engineering from the University of Toronto in 2017 and 2019, respectively, and the PhD degree in Electrical and Computer Engineering from Georgia Institute of Technology in 2024. He served as the Chair of the IEEE Power Electronics Society Atlanta Chapter from 2019 to 2024. He is the incoming Fred Kaiser Assistant Professor at UBC. Feel free to email Justin (justin.zhang@ubc.ca) if you want to know more about research opportunities at PESIL.