



Lei Gu, Ph.D.
Assistant Professor
Electrical and Systems Engineering

Ph.D. Positions in Power & RF Electronics at Penn Engineering

Dr. Lei Gu seeks outstanding candidates to join the Power Electronics Research Lab in the Department of Electrical and Systems Engineering (ESE) at the University of Pennsylvania starting in Fall 2023.

The candidate will be working on research projects that build high-performance power electronic systems to address grand challenges in areas as diverse as energy, climate, human health, food, and urban infrastructure. Related topics are power electronics, RF power amplifiers, power management integrated circuits, magnetic components, and micro piezoelectric devices. Targeted applications include wireless power transfer, RF plasmas, high-performance computing, renewable energy, electric transportation, medicine, robotics, manufacturing electrification, and others.

The candidate should have a strong background in electrical engineering fundamentals (circuits, electromagnetics, signals & systems). Hands-on experience with electronic prototype bring-up, debugging, and functional verification is a plus. Knowledge in one of the following areas, including analog & digital circuits, RF/microwave systems, acoustic resonators, and medical imaging systems (Ultrasound, X-ray, MRI), is a bonus. The researcher will also interact with a broad team of researchers and other faculty at Penn Engineering.

Interested candidates should apply to the Penn Engineering ESE Ph.D. program by **December 15, 2022**.

Application link: <https://gradadm.seas.upenn.edu/how-to-apply/>

More about Penn Engineering: <https://www.seas.upenn.edu>