

## **Announcement**

Laboratory for Innovative Manufacturing at Purdue University (<https://www.rahimilab.org/>) has **PhD** positions open for **ECE students** from **Summer 2023**. Laboratory for Innovative Manufacturing focuses on interdisciplinary research integrating electrical engineering with biomedical and materials sciences to develop cutting-edge sensors and devices. This position is open for master's students interested in pursuing a PhD in wireless sensor design and implementation for biomedical and healthcare applications. We are looking for students with a strong background in embedded systems, programming languages, and wireless communication and a fundamental understanding of sensor design and circuit analysis. The students are expected to have hands-on experience in RF/circuit test equipment. Selected students will receive training and guidance in using software and equipment in the lab.

### **Minimum qualifications**

- Master's student in ECE with an interest in PhD
- Excellent academic background in relevant courses
- Strong background in embedded systems and wireless communication
- Strong programming and debugging skills

### **Preferred qualifications**

- Knowledge of Python coding and debugging
- Basic understanding of Machine Learning.
- Knowledge of PCB design tools such as Altium/Eagle.
- Experience using Arduino or Raspberry Pi.
- Hands-on experience in lab equipment such as oscilloscope, VNA, and signal generator.



Motivated master's students with prior experience in these areas are preferred. If interested, please email Prof. Rahim Rahimi ([rrahimi@purdue.edu](mailto:rrahimi@purdue.edu)) with a brief explanation of your background and prior experience and an attached resume.