



Ph.D. Opportunity in the ECE Department of University of Illinois at Urbana-Champaign (IL, USA) with a focus on

MICROELECTRONICS AND PHOTONICS

INNOVATIVE COMPOUND SEMICONDUCTOR LABORATORY led by [Prof. Can Bayram](#) has immediate PhD thesis openings in the areas of

- Ultra-efficient, integrated light emitting sources (sponsored by [ARPA-E's OPEN 2021 Program](#)), and
- Next-generation Power Microelectronics (sponsored by [ONR's ALERT](#) and [ARPA-E's BREAKERS](#) Program).

Engineering at Illinois is the most cited institution in engineering worldwide, with the highest total citations to research papers. The department has historically spearheaded worldwide innovation in technology. Inventions such as the transistor, the integrated circuit and the LED, ubiquitous in virtually all modern electronic systems, stemmed from professors or alumni of the College of Engineering. Illinois engineers have largely contributed to the proliferation and usability of the Internet. Most notably, engineering alumni produced the internet broadband (DSL), the first web browsers (Mosaic and Netscape) and the "programming language of the web" (JavaScript). The engineering school has produced founders of countless modern tech giants such as Oracle, Tesla, YouTube, Mozilla, AMD, PayPal, Yelp, Malwarebytes and Optimizely.

Interested candidates should take a look at the ICORLAB webpage at <https://icorlab.ece.illinois.edu/> and express their interest via sending an email to Prof. Bayram (cbayram@illinois.edu) and attaching their CV and unofficial transcripts. The candidates should apply for the direct PhD program.

ECE Department is ranked **4th according to 2022 US News Rankings.**

The official application deadline for the ECE Spring semester is by **September 1st.**

The official application deadline for the ECE Fall semester is by **December 15th.**

More at: <https://ece.illinois.edu/admissions/graduate>