



## EECE 4604: Integrated-Circuit Devices

Prof. Hui Fang

4 Credits, Tuesdays and Fridays (Fall) 3:25 – 5 pm

Why is Si the chosen one?

How are transistors fabricated?

Why and how do they work?

What will the future device/chip look like?

### COURSE LEARNING OBJECTIVES

- Understands the technology, theory, and applications of the most important IC devices
- Recognizes recent research trends in novel device concept

### INSTRUCTOR



Prof. Hui Fang received his Ph.D. degree in 2014 from the University of California, Berkeley in Materials Science and Engineering. He was then a postdoctoral fellow at the University of Illinois, Urbana-Champaign from 2014 to 2016. He has received a number of awards including MIT Technology Review TR35 finalist in 2017 and a Samsung GRO Award in 2018.