Modern electronics are often characterized by their extraordinary computing power and small size. Much of the success of contemporary electronics is due to modern manufacturing techniques that allow for precise circuit layout at the micro scale. By utilizing the precision of computer numerical controlled (CNC) positioning systems and the fine resolution of lasers, Laser Direct Imaging (LDI) systems allow for precise fabrication of printed circuit boards (PCBs) and integrated circuits. Formerly reserved for industry and wealthy enthusiasts, these LDI systems have fallen within reach of average hobbyists due to a boom in the open source/DIY community. This work will focus on the development of one such LDI system, highlighting the benefits of building one from scratch as opposed to buying proprietary systems.

Thursday, December 4, 2014
3:00 PM
DeLoach Hall, Room 204