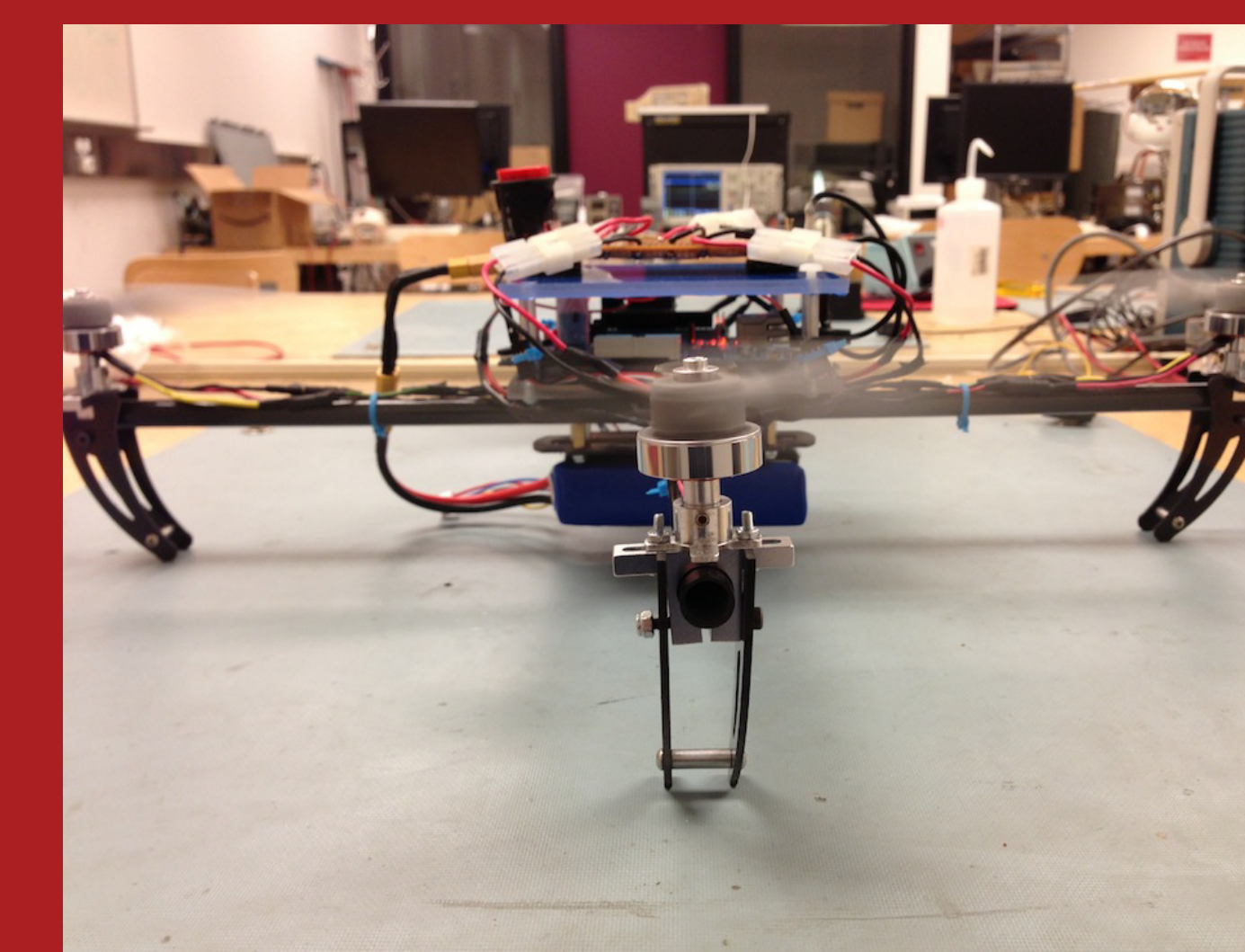


Project Levitate



Project Levitate is a radio controlled quadrotor with onboard stabilization. The operator can send commands from their laptop to the quadrotor's Xbee radio. Using an onboard gyroscope and accelerometer, the quadrotor detects its orientation and if it senses that it is not flat, it automatically corrects and stabilizes itself. An originally planned feature of the project was to run onboard image processing and fly autonomously, but due to hardware constraints, this software is demonstrated separately.

