

## Pair Programming in the ECE 110 Laboratory: Consent Form

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University of Illinois at Urbana-Champaign, Fall 2009

### Purpose and Procedures

This research study is being conducted by Professor Michael Loui and graduate teaching assistant Nicholas Fila. The purpose of this research is to investigate the effects of structuring roles within lab groups in an electronics laboratory.

You will conduct your normal ECE 110 laboratory course work, in which you will participate in a group with or without structured roles, and you will report your ACT-Math and SAT-Math scores (on this form). In addition, final exam scores, scores on the final lab project (track score), a sample of lab reports, and College of Engineering enrollment information for Spring 2010 will be collected. Only data from students who consent to participation in this research study will be used.

At the end of the semester, you will also be invited to complete a five to ten minute anonymous survey about your lab experiences.

The consent forms will be kept by graduate student Stephanie Seiler and will not be delivered to Professor Loui or Mr. Fila until after ECE 110 grades are submitted. A copy of this form has been given to you.

### Voluntariness

Participation in this research is voluntary. You may refuse to participate or may discontinue participation at any time, by completing and dating a new form, without penalty; this form is available on the course Web site. Participation will not affect your grade in a course or status at this university.

### Benefits and Risks

Those who participate in the sections with structured roles may benefit from increased confidence and satisfaction with the course, and more positive views of group work. Risks are expected to be minimal, no more than in everyday life.

### Confidentiality

The personally identifiable data to be used in this research are limited to the ACT-Math and SAT-Math scores reported on this consent form, final exam score, final track score, lab reports, and College of Engineering enrollment information. In the event of publication of this research, no personally identifying information will be disclosed.

### Whom to Contact with Questions

Questions about this research should be directed to Professor Michael Loui (phone 217-333-2595, e-mail [loui@illinois.edu](mailto:loui@illinois.edu)). Questions about your rights as a research participant should be directed to the campus Institutional Review Board (phone 217-333-2670, e-mail [irb@illinois.edu](mailto:irb@illinois.edu)); you may call collect.

### Check One Box

- I certify that I have read this form, I have received a copy of this form, I am 18 years of age or older, and I volunteer to participate in this research study.
- I have received a copy of this form, and I do not wish to participate in this research study.

ACT-Math score: \_\_\_\_\_ SAT-Math score: \_\_\_\_\_

Please print official name: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_