

## ECE498B: Prototype Hazard Disclosure Form\*

Group number: 2023.12

*Instructions:* Answer all the following questions by putting an X in either the yes or no column. If unsure, answer yes. If you answer yes to any question, set up an appointment with the Lab Instructor to ensure your prototype is safe for the symposium. Submit this form even if you answer no to all questions.

Question: Does your prototype...	yes	no
1. include any circuitry that you designed or built by yourself?		X
2. †include any circuitry that is not enclosed in an approved plastic or metal box?		X
3. †have a 120V AC power supply/adaptor that is not approved by CSA, UL, ULC, or ESA?		X
4. †involve any other 120V AC circuitry/device that is not approved by CSA, UL, ULC, or ESA?		X
5. †involve circuitry that is not connected to its power supply with a fuse and a switch?		X
6. †use high-capacity or high-density (e.g., lithium-ion or lead-acid) batteries?		X
7. †have exposed moving parts that may pinch, hit, or crush a person?		X
8. †have parts that are top-heavy and risk falling over?		X
9. have exposed sharp edges or points?		X
10. use strobe lights or unprotected lasers of any class?		X
11. involve projectiles or any part that can fly?		X
12. use high-pressure gases or liquids?		X
13. emit dangerously loud sounds?		X
14. involve accessible components that reach temperatures above 40°C or below 0°C?		X
15. emit non-trivial amounts of RF radiation?		X
16. involve irritating/dangerous chemicals, any biological materials, or any food/drink?		X
17. involve x-rays or radioactive materials?		X
18. eject gas, particles, or fluids into the environment?		X
19. involve any other hazard? Describe:		X
20. have to be worn by a user? (We've noticed these projects tend to be some of the least safe!)		X

† If you checked "yes" to any of the questions, contact the Lab Instructor by the date on [page 8](#).

**Lab Instructor Inspection Report** (needed only if "yes" is checked to any question above)

- ☐ Prototype is deemed to be unsafe in its current state and requires another inspection after changes are made.
- ☐ Prototype is deemed to be conditionally acceptable† for the symposium, and another inspection is not required.
- ☐ Prototype is deemed to be safe for the symposium in its current state.

†State on the **front** of this form what minor changes are required for the prototype to be considered safe for the symposium.

Lab Instructor Signature \_\_\_\_\_ Date \_\_\_\_\_

**Project Consultant Inspection Report at Final Prototype Demonstration** (needed for all projects)

- yes no
- ☒ ☐ The group appears to have accurately answered the above 20 questions.
- ☒ ☐ The prototype presently appears to be safe for the public symposium.

Consultant Signature Pouya Mehrannia *PM* Date 2023-01-13

\*A blank *Prototype Hazard Disclosure Form* is available on LEARN.