HAZARD EVALUATION FORM FOR ENGINEERING PROJECT, ME40321

To be completed by the student and supervisor together.

Student:

Carl Selig

Supervisor:

Andrew Hillis

Title of project:

Wave Energy Converter power increase through active control: Fixed gains

Brief description of project:

A project is proposed to develop and investigate the effectiveness of a fixed gain control

system strategy for a six degree of freedom submerged Wave Energy Converter (WEC).

Proposed location:

University of Bath

IDENTIFIABLE SIGNIFICANT HAZARDS

Please tick the following if applicable:

rotating machinery heavy weights lasers noise

high voltages fumes large forces dust

high temperatures X VDU water

substances hazardous to health (dust, gases, chemicals, fuels, oils, toxic fumes, etc)

(see COSHH regulations: <http://www.hse.gov.uk/coshh/>)

other (please specify):

LASERS – contact Dr Charles Courtney

COSHH/ Risk Assessment - contact David Williams.

CONTROL MEASURES – Note that significant risks must be Risk Assessed in addition to this form and must be referred to David Williams.

Describe measures that you will take to ensure the safety of the student:

Visual Display Unit time will be limited to 8 hours a day with breaks every few hours.

The SAFETY APPROVAL FORM should be signed by the student and supervisor (see second sheet).

An electronic copy of the form should be submitted to Moodle no later than 16:00 on 27 November 2019

Forms will be forwarded to David Williams (Safety Coordinator) for signature.

SAFETY APPROVAL FORM FOR FINAL YEAR PROJECT, ME40321

Student:

Carl Selig

Supervisor:

Andrew Hillis

Assigned technician: n/a Location: n/a

(see list of technicians assigned to projects by Andrew Green)

Project Title:

Wave Energy Converter power increase through active control: Fixed gains

SAFETY ASPECTS OF OPERATING PROCEDURES

* It is a requirement that all mains powered equipment must pass a defined electrical safety test. This test is carried out by the Instrumentation section and must be repeated after any wiring change. No electrical equipment, electronic equipment or detachable mains lead to be used without a valid ‘tested’ label or with covers removed.
* No electrical wiring for more than 30 volts AC or DC should be carried out by Mechanical Engineering staff or students without consultation with a member of the Instrumentation section.
* If personal protective equipment (goggles, ear defenders) is required, written instructions for use must be specified for the procedure.
* Use safety approved computing facilities only.
* Do not spend extended periods looking at a VDU screen; a maximum of 2 hours a session is advisable. Switch to other work for a while.

Supervisor and student:

Are there COSHH implications? ~~YES~~/NO\*

If YES, do you have approval from David Williams? YES/NO\*

\* delete as applicable

Please sign below to confirm that all hazards have been considered and steps have been taken to protect the student:

Print Name Signature Date

Student: Carl Selig

Supervisor: Andrew Hillis

Safety Coordinator: David Williams Form updated 11/10/17

The form should be submitted via Moodle only. The student should retain the original signed copy (and keep it safe).