

AU Status

Undergraduate or PG Taught

Your aber.ac.uk email address

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Full Name

cormac brady

Please enter the name of the person responsible for reviewing your assessment.

Reyer Zwiggelaar

Please enter the aber.ac.uk email address of the person responsible for reviewing your assessment

rrz@aber.ac.uk

Supervisor or Institute Director of Research Department

cs

Module code (Only enter if you have been asked to do so)

CS39440

Proposed Study Title

Computer control of the Yaesu FT-8900R

Proposed Start Date

30/01/2017

Proposed Completion Date

08/05/2017

Are you conducting a quantitative or qualitative research project?

Mixed Methods

Does your research require external ethical approval under the Health Research Authority?

No

Does your research involve animals?

No

Are you completing this form for your own research?

Yes

Does your research involve human participants?

No

Institute

IMPACS

Please provide a brief summary of your project (150 word max)

Many modern transceivers are designed to be controllable by a computer. The computer being able to operate all the controls and also provide information/data for transmission/reception by the radio. We own two good quality Yaesu FT8900 radios. "Officially" these are not fully computer controllable, you can exchange data but cannot do actual control. The control panel of the radio is attached by a cable and designed so the physical controls can be mounted elsewhere. Some open source projects have at least partially 'reverse engineered' the panel to radio cable and control protocol. This project, which might build upon the existing open source work, will design and implement a way for computers to control the radios. This could be

developed and tested by any student (without an amateur license) by attaching a 'dummy load' rather than an antenna. A student with an amateur license can do more and amateur license training starts on Wednesday 28th October for those interested.

Where appropriate, do you have consent for the publication, reproduction or use of any unpublished material?

Yes

Will appropriate measures be put in place for the secure and confidential storage of data?

Yes

Does the research pose more than minimal and predictable risk to the researcher?

No

Will you be travelling, as a foreign national, in to any areas that the UK Foreign and Commonwealth Office advise against travel to?

No

Please include any further relevant information for this section here:

If you are to be working alone with vulnerable people or children, you may need a DBS (CRB) check. Tick to confirm that you will ensure you comply with this requirement should you identify that you require one.

Yes

Declaration: Please tick to confirm that you have completed this form to the best of your knowledge and that you will inform your department should the proposal significantly change.

Yes

Please include any further relevant information for this section here: