

## **Faculty of Engineering and Environment**

## RESEARCH PROJECT: ETHICS REGISTRATION AND APPROVAL FORM

Section One: Registration [To be completed by researcher]

Title of research project/dissertation	Proactive threat detection of cyber-physica

14044980

2016/2017

LD0718

**MSc Cyber Security** 

Dr Haider Al-Khateeb

01 August 2016

systems using Bayesian estimation:

connected cars as a case study

Researcher's name **Adam Reviczky** 

Student number (if applicable)

Programme of study

**Principal Supervisor** 

Start Date

Module code (if applicable)

Brief outline of research topic:

Academic Year

Please only complete the following if researcher is a student:

## Cyber-Physical Systems; Behavioural Profiling; Anomality Detection; Threat Definition; Threat Prevention; Bayesian Filtering; Intelligent transportation systems; Short description of proposed research methods including identification of participants: Non-experimental research will be conducted with quantitative data analysis methods. No participants will be required for this research.

Ethical considerations in the research project	YES	NO
1. Does your research involve an external organisation or partner?		$\boxtimes$
2. Does your research involve human participants?		$\boxtimes$
3. If yes to Q.2, will you inform the participants about the research?		
4. Will you obtain their consent using the standard consent form?		
5. Is any deception involved?		
6. Do any participants constitute a 'vulnerable group'? (refer to definition of Vulnerable People)		
7. Will the research involve the following information? Commercially sensitive Personally sensitive Politically sensitive Legally sensitive		
8. Is the research likely to have any significant environmental impacts?		$\boxtimes$
9. Are there likely to be any risks for the participants in your research?		
10. Are there likely to be any risks for you in conducting the research?		$\boxtimes$
11. If yes [to 5, 6, 7, 8, 9 or 10 above] have you identified steps to address the issues and mitigate any risks to participants, yourself or the environment?		
Statement to explain how any issues identified above will be addressed and will be taken to mitigate such risks or adverse impacts	vhat s	teps
There are no issues that needs to be addressed.		

[Please tick as appropriate]

 $\boxtimes$ 

Red

**Amber** 

Green

Based on the above Ethical Considerations and with reference to the University's Ethical Scrutiny

vulnerable participants; human tissue; sensitive data; risks to participants & researchers etc.

human participants requiring informed consent; commercially sensitive information etc.

Ethical category of research project Risk Assessment tool identify the Ethical category of your research project (refer to http://northumbria.ac.uk/static/5007/respdf/riskassesmenttool.pdf for further guidance):

no participants involved; secondary data only; no sensitive data

I have read the University and the Faculty Ethics Policy and Procedures and confirm that the answers I have given above are correct. Where issues arise under items 5, 6, 7, 8, 9 or 10 [above] I have described in writing how I intend to approach these issues in the research.

Researcher's signature

Section 1 Ethics Registration to be submitted to Principal Supervisor

upervisor / Module Tutor's name	Dr Haider Al-Khateeb		
thical approval [Please tick as appropriate]			
reen - Ethical approval is given without conditions			$\boxtimes$
mber - Ethical approval is given with the	following cond	tions:	
5. Information to be provided to all partic	ipants		
<ol><li>Participant consent to be obtained usin Consent Form or otherwise in accordan</li></ol>	-	•	
7. Data to be stored and destroyed secure	-	-	
guidelines B. Adherence to DPA			
9. Anonymity to be provided to participants			
0. Commercial confidentiality to be provided to organisations(s) 1. Other (please state):			
1. Other (prease state).			
led - Project is referred to FREC for appro	oval		
Name & role of approving member of	staff 1:		
Signature			
orginature .			
Date	01 August 2016		
Outcome of FREC referral – Decision,	minute and da	ate of meeting; ident	ify two
ignatories			