EBE Faculty: Assessment of Ethics in Research Projects (Rev2)

Any person planning to undertake research in the Faculty of Engineering and the Built Environment at the University of Cape Town is required to complete this form before collecting or analysing data. When completed it should be submitted to the supervisor (where applicable) and from there to the Head of Department. If any of the questions below have been answered YES, and the applicant is NOT a fourth year student, the Head should forward this form for approval by the Faculty EIR committee: submit to Ms Zulpha Geyer ([Zulpha.Geyer@uct.ac.za](mailto:Zulpha.Geyer@uct.ac.za); Chem Eng Building, Ph 021 650 4791).

**NB: A copy of this signed form must be included with the thesis/dissertation/report when it is submitted for examination**

***This form must only be completed once the most recent revision EBE EiR Handbook has been read.***

Name of Principal Researcher/Student: Nicholas Von Klemperer Department: EBE

Preferred email address of the applicant:

**If a Student:** Degree: MSc Electrical Engineering Supervisor: Prof. Edward Boje

If a Research Contract indicate source of funding/sponsorship: N/A

Research Project Title: Dual-axis tilting quadrotor aircraft: dynamic modelling and control thereof

**Overview of ethics issues in your research project:**

|  |  |  |
| --- | --- | --- |
| **Question 1: Is there a possibility that your research could cause harm to a third party (i.e. a person not involved in your project)?** | ~~YES~~ | NO |
| **Question 2: Is your research making use of human subjects as sources of data?**  If your answer is YES, please complete Addendum 2. | ~~YES~~ | NO |
| **Question 3: Does your research involve the participation of or provision of services to communities?**  If your answer is YES, please complete Addendum 3. | ~~YES~~ | NO |
| **Question 4: If your research is sponsored, is there any potential for conflicts of interest?**  If your answer is YES, please complete Addendum 4. | ~~YES~~ | NO |

If you have answered YES to any of the above questions, please append a copy of your research proposal, as well as any interview schedules or questionnaires (Addendum 1) and please complete further addenda as appropriate. Ensure that you refer to the EiR Handbook to assist you in completing the documentation requirements for this form.

**I hereby undertake to carry out my research in such a way that**

* there is no apparent legal objection to the nature or the method of research; and
* the research will not compromise staff or students or the other responsibilities of the University;
* the stated objective will be achieved, and the findings will have a high degree of validity;
* limitations and alternative interpretations will be considered;
* the findings could be subject to peer review and publicly available; and
* I will comply with the conventions of copyright and avoid any practice that would constitute plagiarism.

**Signed by:**

|  |  |  |
| --- | --- | --- |
|  | Full name and signature | Date |
| Principal Researcher/Student: | Nicholas Von Klemperer | 19/02/2018 |

**This application is approved by:**

|  |  |  |
| --- | --- | --- |
| Supervisor (if applicable): | Prof E. Boje |  |
| HOD (or delegated nominee):  *Final authority for all assessments with NO to all questions and for all undergraduate research.* | Prof E. Boje |  |
| Chair : Faculty EIR Committee  For applicants other than undergraduate students who have answered YES to any of the above questions. |  |  |

**ADDENDUM 1:**   
Please append a copy of the research proposal here, as well as any interview schedules or questionnaires:**ADDENDUM 2:** To be completed if you answered YES to Question 2:

It is assumed that you have read the UCT Code for Research involving Human Subjects (available at <http://web.uct.ac.za/depts/educate/download/uctcodeforresearchinvolvinghumansubjects.pdf>) in order to be able to answer the questions in this addendum.

|  |  |  |
| --- | --- | --- |
| 2.1 Does the research discriminate against participation by individuals, or differentiate between participants, on the grounds of gender, race or ethnic group, age range, religion, income, handicap, illness or any similar classification? | YES | NO |
| 2.2 Does the research require the participation of socially or physically vulnerable people (children, aged, disabled, etc) or legally restricted groups? | YES | NO |
| 2.3 Will you not be able to secure the informed consent of all participants in the research?  (In the case of children, will you not be able to obtain the consent of their guardians or parents?) | YES | NO |
| 2.4 Will any confidential data be collected or will identifiable records of individuals be kept? | YES | NO |
| 2.5 In reporting on this research is there any possibility that you will not be able to keep the identities of the individuals involved anonymous? | YES | NO |
| 2.6 Are there any foreseeable risks of physical, psychological or social harm to participants that might occur in the course of the research? | YES | NO |
| 2.7 Does the research include making payments or giving gifts to any participants? | YES | NO |

If you have answered YES to any of these questions, please describe below how you plan to address these issues:

**ADDENDUM 3:** To be completed if you answered YES to Question 3:

|  |  |  |
| --- | --- | --- |
| 3.1 Is the community expected to make decisions for, during or based on the research? | YES | NO |
| 3.2 At the end of the research will any economic or social process be terminated or left unsupported, or equipment or facilities used in the research be recovered from the participants or community? | YES | NO |
| 3.3 Will any service be provided at a level below the generally accepted standards? | YES | NO |

If you have answered YES to any of these questions, please describe below how you plan to address these issues:

**ADDENDUM 4:** To be completed if you answered YES to Question 4

|  |  |  |
| --- | --- | --- |
| 4.1 Is there any existing or potential conflict of interest between a research sponsor, academic supervisor, other researchers or participants? | YES | NO |
| 4.2 Will information that reveals the identity of participants be supplied to a research sponsor, other than with the permission of the individuals? | YES | NO |
| 4.3 Does the proposed research potentially conflict with the research of any other individual or group within the University? | YES | NO |

If you have answered YES to any of these questions, please describe below how you plan to address these issues: