**Penn State Rwanda IoT Research Program**

**Spring 2020 Application**

Mail this completed form and a current resume/CV to cmaitland@ist.psu.edu

**Program Summary**

The Penn State Rwanda IoT Research Program brings students and faculty from Carnegie Mellon Africa and University of Rwanda together to conduct ground-breaking research while providing mentoring and research skills to enhance student careers. The program is led by Dr. Carleen Maitland of the College of IST. For 2020 the project areas will likely include:

* UAVs (drones) and UGVs (ground vehicles) (working with Dr. Timothy Brown from Carnegie Mellon Africa)
* Policies for IoT (working with faculty generally)
* Mobile phone-based health intervention (working with CMU-Africa faculty)

**Program Requirements and Expectations**

*Applicant Requirements*

* Students have academic background to conduct research (general research methods or experience)
* No specific GPA requirement
* U.S. citizens or permanent residents preferred
* Research experience preferred but not required
* Student is available for meetings in spring 2020
* Student is available for group travel to Rwanda May/June 2020
* Student is available for research and mentorship training Fall 2020

*Expectations*

* Student has a research/thesis advisor interested in the student’s participation in this program (student must gain advisor approval – see below)
* Student is independent and self-directed in their scholarship; able to conduct research with limited supervision during 7 week field visit in Rwanda
* Student is flexible and gets along well with others, is willing to live in shared accommodations (e.g. own bedroom but sharing a house or apartment)
* Student will work with IST administrative staff to process travel reimbursements in a professional and timely fashion

**Student financial support**

Funding for the program is provided by the U.S. National Science Foundation (NSF). This U.S. federal government agency aims to increase international research experiences for U.S. students, who typically lack such opportunities (hence the citizenship/residency requirement). The amounts below have been set by NSF and are not flexible.

Reimbursements for the covered expenses detailed below can be made only when students submit the required ‘paper work.’ The amounts below are maximums. Students will need to cover any expenses beyond these amounts through their own funds. If you have questions, please do not hesitate to ask.

1. **Stipend** - $500/week/student \* 7 weeks = $3,500 (paid upon completion of 7 week stay)
2. **Travel** – Airfare ($1,800), Visa ($150), Local transportation ($200), Airport transfers ($100) = $2,250
3. **Subsistence for 7 weeks** – Housing ($900), Meals ($350) = $1,350
4. **Other** – Health Insurance ($50), Vaccinations ($50) = $100

**Applicant Information**

**Name:**

**Email address:**

**Penn State College:**

**Major:**

**Academic/research/thesis advisor name:**

**Advisor email address:**

Prior to official acceptance into the program, the student must have their advisor email Dr. Maitland their agreement of the student’s participation.

**Applicant Statement**

In roughly 500 words, explain your general research interest and how this program might fit in.