Profile

1. Where do you come from?
   I am an immigrant from Zambia a country in the southern part of Africa. A country with a population of approximately 14 million.

2. Where do you live?
   I live in the state of Maryland and have been here for over 15 years.

3. What is your academic background?
   I studied Engineering Science at Montgomery College a community college in Maryland. I then transferred to a four year college and graduated with a B.S in Computer Studies with a minor in Mathematical Sciences at the University of Maryland University College in 2007. I also spent a year at Towson University until 2010 as a non-degree seeking graduate student and took graduate level courses in software engineering. Finally, I have a professional certificate in Software Product Lines from the Software Engineering Institute at Carnegie-Mellon University for software product line engineering courses taken in 2011.

4. What is a description of your project?
   This is a project to develop a capability to send a manned interstellar space craft to redwarf stars in 20 years. Redwarf stars or M-dwarf stars are the most numerous stars in the milky galaxy. The premise of the project is that humanity right now has the scientific, engineering, and technological seeds of the technical capacity to develop a manned interstellar space flight in 20 years. And the second premise is that the best primary mission target for such a manned mission is to M-dwarf stars which are more common than sun-like stars. The third premise is that the manned mission must be planned to target M-dwarf stars 50 light years from our sun. The fourth premise is that the manned mission must be implemented using at least eight projects (see attachments to this email) that together must result in developing a specific interstellar space capability and an interstellar spacecraft. It will also have auxiliary support infrastructure projects that will eventually work to ensure the establishment of a dynamic capability to achieve manned interstellar spaceflight in 20 years.

5. What is a synopsis of your talk?
   The talk will focus on sharing my experience in developing system requirements through to design description for a specific interstellar space system called EN Orbiter 1 prototype for interstellar project redwarf star

6. What is the relevance of your talk to this audience?
   The talk will be useful to the audience because it will describe the experiences of using the system engineering lifecycle approach to developing an engineering system with interstellar space application. It will also highlight the scientific and engineering research challenges for developing such state of the art engineering and technological systems.

7. What is the strategic context of your talk to this audience?
   The talk will contextualize the application of innovation, visioneering, philosophy, applied engineering, mathematics, and science education to developing the state of the art interstellar space systems of the 21st century for next generation space exploration.