Thesis Proposal Questions & Answers

1. Provide a clear statement of the purpose or objective for your thesis or creative project. List any research questions or hypotheses (as appropriate). In brief, what is the rationale for conducting this work? What is the proposed design or plan of your project?

Wireless and ad hoc sensor networks are being deployed in support of many applications. Recently more attention has been placed on networks of sensors that are mobile. If a large number of sensors move in response to an event, the communication overhead for managing mobility will be high. We will explore systems which aggregate control information to efficiently support group mobility.

2. What is intended outcome of your project? If appropriate, how will you collect data and what results do you anticipate? What contributions (publications, exhibits, performances, etc.), conclusions or applications do you anticipate as a result of your thesis?

We will design and simulate our mobility protocols, and compare the performance with other similar systems. We will also implement the system on a sensor platform and take measurements of performance. We expect to publish one paper on these results.

3. What is the project budget for your project?

$300 OR MORE

Will you apply for a Thesis Research Grant?

no

4. Will your project require approval for research involving humans, animals, biohazardous materials or radioactive isotopes?

no

(If yes or don't know, discuss with your thesis supervisor, especially with reference to the information and time needed for the approval process. If using human or animal subjects, students are required to take an on-line course before submitting a research project for review. Please review the Office of Regulatory Compliance Web page at: http://www.research.psu.edu/orc/ for information about the course and review process.

5. OPTIONAL: According to your adviser, please list ten sources that you have already consulted on your project. These must be in a bibliographic format appropriate to the discipline of your thesis.