

Research Literature Report

Choosing report topic and articles

1. Use UIS Library's [IEEE Xplore](#) to download the following two articles:
[“Security in wireless sensor networks”](#)
Authors: Xiaojiang Du and Hsiao-Hwa Chen
IEEE Wireless Communications Magazine, August 2008, pages 60 – 66.

[“CRUISE research activities toward ubiquitous intelligent sensing environments”](#)
Authors: Mitseva, A.; Prasad, N.; Todorova, P.; Fokus, F.; Aguero, R.; Garcia Armada, A.; Panayiotou, C.; Timm, A.G.; Maccari, L.
IEEE Wireless Communications Magazine, August 2008, pages 52 – 60.
2. Read the articles and then choose a topic from the following list:
 - [Secure Routing in Wireless Sensor Networks](#)
 - [Secure Location Discovery in Wireless Sensor Networks](#)
 - [Key Management in Wireless Sensor Networks](#)
 - [\(A Research Project related to Security in Wireless Sensor Networks\)](#)

3. Based on the topic you choose, find another **2 – 5** strongly relevant research papers (published between 2001 and 2008) from [IEEE Xplore](#), comprehend them and write a summary report (5 pages or more) **in your own words**.

Report format

- **Report title**
- **Student name(s)**
- **Introduction:** Explain what the research issue is and why it is important.
- **Existing solutions** (with citations): Describe how the research issue is solved according to the research articles you have studied.
- **Future work:** Depict the future development of this topic. Students are strongly encouraged to present (their own) new ideas in this section.
- **References:** List the research articles you have studied for writing this report. Each article listed in this section must have proper citations in the main body (introduction, existing solutions, or future work).
- **Figures and tables** (if any): All figures and tables should be placed at the end of your report. They must be clearly labeled and with captions (e.g., Fig. 1. UDP throughput). It's allowed to copy figures or tables (but not texts) from the original papers.

Document layout

- US letter paper (8.5 by 11 inches)
- Margins (top, bottom, left, right): 1 inch
- Single column, single line spacing
- Font: Times New Roman (Size: 12)
- 5 pages (or more)

Grading Criteria

- **Quality** of report;
- **Similarity index** from anti-plagiarism tools.
 - It's acceptable to have a 10% (or lower) overall similarity index.
 - The instructor will **not** do a “pre-submission” anti-plagiarism check for student reports. If reports are written from scratch based on comprehension (not copy-and-paste from the original articles or any other sources), the similarity index will be less than 10%.

Team work

Students are encouraged to collaborate in writing research report. The main reason is to promote team work and productive discussion on new ideas and future work. Each team can consist of at most 3 students, and all team members will receive the same grade for this assignment. Students may choose to work alone.

Submission

Reports should be submitted electronically using the **Digital Dropbox** in the **Blackboard** system. The acceptable document file types are **PDF** (preferred) and Microsoft Word. Each team should submit **only one** report. Use your **last name** as the filename (if team work, use only one team member’s last name) for submission.

Important notice

Reports are subject to anti-plagiarism check (e.g., turnitin.com). Therefore, students should study the research articles thoroughly and then write the report from scratch (never do cut-and-paste from the original articles or any other sources).