

# Wireless communication Security

# 無線通訊安全

## **Paper Presentation Guidelines**

# Outline

## Part II:

### (d) 橢圓曲線密碼技術

- 基本代數概念
- 橢圓曲線簡介
- 基本橢圓曲線密碼協定
- 橢圓曲線之其他性質與應用

### (e) 無線感測網路安全

- 無線感測網路簡介
- 無線感測網路的安全議題
  - Key distribution/management
  - Secure routing

### (f) 相關論文討論

# Paper presentation guidelines

- Paper selection
- Deliverables
- Presentation

# Paper selection

- Use keywords: “**sensor network**” + “**elliptic curve**” + **security**
  - Search Google scholar, IEEE Xplore, etc
  - Examples <..\wireless\ecc-sensor-security-ieee.doc>
- Recent enough (Published after 2007)
- One to three students per group
- Decide your paper before (during) next class meeting (May 21)

# Deliverables

- Report
- Slides
- In-class Presentation

# Report

- Four (4) pages (strict limit)
  - 12 pt, Times New Roman
  - Margins: 1.25 in
- Due: Before presentation starts (hardcopy)
- Three main parts:
  - Header
  - Summary
  - Analysis

# Report - Header

- Title of the paper
- Full reference: authors, date, ...
- Your name(s) and student id(s)

# Report - Summary

- Two pages, at least
  - Introduction
    - What is done (objectives)
    - Motivation
    - Application domains
  - Overview
    - Description of the main features of the paper
    - How does it achieve its objectives?
    - Use Figures if possible (but you need to comment those figures)



# Report - Analysis

- One or two pages
- **Your opinion**
  - Clarity
  - Originality
  - Pros and Cons of the proposed approach
  - Issues not addressed by the paper
  - Possible extensions

# Slides

- Use PowerPoint
- Slides should not be overloaded
- Use font 24
- About 20 slides
- Use as many figures as possible to explain concepts, problems, solutions, etc.
- Examples are important

# In-class Presentation

- 20 minutes for presentation
- 5 minutes for Q&A
- Attend all presentations

# Goals of Paper Presentations

- Convey why this is an **important and/or interesting problem**
- Review **key ideas** in the paper
- Convey why this is an **important and/or interesting approach**
- **Critique** the work
- **Stimulate discussion**

# Giving the Presentation

- Feel free to use the **blackboard**, especially to work through an example
- **Practice** your presentation, even if it's just to yourself, to make sure your timing is correct
- As with written summaries, **leave out details** that you don't have time to explain
- **Be prepared** to fill in the missing details during the discussion session if you are asked questions!

# Grading and Feedback

- Students are required to fill out a short feedback form for each presentation
- Your grade will be based on (partially):
  - Your level of preparation
  - The clarity of your presentation
  - The timing of your presentation
  - Other students' evaluation of your presentation
  - The ensuing discussion

