

# AAST-CCIT-Master of Information Systems

## IS703 Information Systems Security

Spring 2012

### *Research Report*

Report due on (Wednesday, June 2012)

Presentations on (June 2012)

### Suggested Topics (You are by no means limited to the following)

1. Public Key Infrastructure (PKI)
2. IEEE 802.11 security
3. IP Security
4. Intrusion Detection
5. Secure Electronic Payment Protocols
6. Security in Ad-Hoc Wireless Networks (**Tamer Fouad and Ahmed Abou Elfoutouh**)
7. Security in Pervasive computing
8. Security in Wireless Sensor Networks
9. Secure Multimedia Communications
10. Web Services Security (**Marwan Elsanhoury and Mohamed Elmashharawy**)
11. Security and Privacy in RFID systems
12. Security and Privacy in Cloud Computing (**Mona, Ala'a and Nevine**)
13. Secure Mobile Payments
14. Database Security (**Mohamed Said and Essam Abdel Meguid**)
15. Email Security techniques
16. Security and Privacy in Internet of Things

### Requirements

#### 1. Report

- A report is required in a survey paper format of current research and state of the art in your topic area, plus an in-depth analysis of a specific subject/subtopic in the field.
- Technically oriented
- Based on at least 3 recent research papers in your topic area (include them in your report) as well as articles, websites, (reference them in your report).

- Minimum of **six** pages of content (original text, not from the papers)
- 12 point font, single line spacing
- 1 inch margins (top, bottom, left, right)

2. 20 minutes Class presentation (Use PowerPoint slides and submit a printout with the report)

3. A practical implementation/simulation in your selected topic will be considered as bonus. Guidance will be provided on what is required on your side.

### **Topic selection procedure**

- Send me an email with the group members' names (maximum of 2) and topic (from the suggested topics list, or suggest your own) by **Sunday May 20<sup>th</sup>, 2012**.
- Topic selection will be on a first-come first-serve basis.
- You will receive an email acknowledging the formation of the group and the approval of the topic.

### **Presentation Schedule**

- To be announced