

Security Research Assignment

Deadline of paper Selection is **31th March 2023**

Deadline of report and presentation submission is **20th April 2023**

Report Requirements:

Write a review about a research **JOURNAL** paper in cryptography. The **JOURNAL** paper should be a recent paper published in (2019-2023). The research paper should be of one of the following topics:

0. Program Obfuscation.	5. Privacy and Security in the cloud.
1. Cryptanalysis and Attacks.	6. Post-Quantum Cryptography.
2. Crypto Currency	7. Privacy-enhancing technologies.
3. BitCoin (... etc.)	8. Zero Knowledge protocol.
4. Cryptographic protocols	

You may discuss with the instructor another subject that you find interesting.

Guidelines:

The review should be at most 5 Pages + cover Page summarizing the paper and 5-6 slide presentation.

Your review should include the following items:

- The paper overview (the main topic of the paper).
- The problem that the paper solves.
- The basic directions of the related work so far in literature.
- The paper scientific contribution (what is the added value of the paper?).
- Your evaluation to the paper (what is your opinion about this paper? Be objective).

Notes:

- Do not copy-paste from the paper or from the literature or from anywhere. Write in your own words.
- Review your writing for spelling and grammar before delivering the review report.
- Your subject will be **your position in the class list is N.**
- $N \text{ Mod } 9$ if result is 0 you will have subject 0.
- If your position in the class list 24 then your subject will be **(24 Mod 9=6)** subject 6.
- **18 Mod 9 = 0 you will be assigned subject 0.**
- Send your paper selection AS SSON POSSIBLLE) for approval and the assignment of papers will be performed (Firs++t come First Serve d). If student selects a paper first, it will be locked to him/her.
- Papers selected by a student will not be assigned to another student. It is first come first served.
- You should work on this assignment individually.
- Send your paper title before **March 31th 2023.**
- Attach the paper if possible).
- Please write your FULL name in Arabic as it is written on the class list.
- Please write the subject as specified to you and the paper title, authors, the Journal and year of publication (where it is published and year).

sshaheen-cmp3@eng.cu.edu.eg

You will receive an answer (approval or disapproval). In case it is not approved, you will need to change the paper and resend another paper by mail to be approved. My advice is to search for more than one paper and keep it to yourself.

INSTRUCTIONS for report writing on the selected paper

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The report should contain:

1- Paper overview/Summary

2-Problem Statement:

3- Basic Research directions of the related work so far in literature.

4-Summary of the paper solution of the research problem.

5- Paper scientific contribution (what is the added value of the paper?).

Results and gains when applying the proposed method/technique ... etc.

6- Your evaluation to the paper (what is your opinion about this paper? Be objective).

Notes:

- **Do not copy-paste from the paper or from the literature or from anywhere. Write in your own words.**
- **Review/correct your writing for spelling and grammar before delivering the review report.**
- **You should work on this assignment individually.**
- **Plagiarism will be penalized.**

IEEE.org Computer.org ACM.org Scholar.google.com (Journal papers).

Send the report in BOTH the following ways:

- 1- Post you Report on Blackboard site in PDF format and post the paper used.**

AND

- 2- Send also the Report in Document file format and the paper you have used and any supporting documents in PDF by mail:**

Sshaheen-cmp3@eng.cu.edu.eg

<u>https://classroom.google.com/u/1/h Google Class Room Code:</u> y3hmux3
