COSC402 – Assignment 3

Presentation on Thursday Oct. 5 during 11am-1pm, Report Due: 5pm on Friday Oct. 6

- This assignment aims to let you have a research taste of other topics in the computer networks that are not covered in the lectures.

  (skills: research, presentation, scientific reading and writing, critical thinking etc.)

- Each group (up to 3 members) should have a group leader who is responsible to coordinate the topic selection, allocate tasks, and submit assignment report. Please form your group by yourselves, or you can choose to work by yourself.

   (skills: team work, networking, collaboration etc.)

- This assignment counts for 20% of your final mark. Marks will be determined by the overall goodness of your presentation (10%) and report (10%).

The tasks of this assignment include:
(a) Find a topic/concept/technology in the networking area, that is not introduced in the lectures. Make an **20-min** presentation on the topic you choose on October 5 during 11am-1pm.

- Introduce the topic/concept/technology.
- You can use an example or a short video to help others understand if needed.

(b) Write a report for the chosen topic/concept/technology. It is expected that your report will answer at least the following questions.

- What is the technology?
- What are the potential applications for this technology?
- What is the current status of this technology in terms of research and deployment?
- Is there any weakness for this technology? What are your thoughts in terms of improving this technology?

The report should be 2 or 3 pages with around 1500 words. Please submit your report in the blackboard.

Guidance on choosing the topic:
You can choose any topic/concept/technology in the networking area, which you are familiar with or interested in (not covered in the lectures). For example, Vehicular networks, Named Data Networking (NDN), Fog computing, Crowd-sourcing, CubeSats, mmWave, QoE, Edge computing, Robotic, machine learning to mobile/wireless networking, etc. You can find many hot topics in world-leading conferences such as:
INFOCOM, MOBICOM, SIGCOMM, or journals (e.g. IEEE/ACM Transactions on Networking)