CNT 6885 Distributed Multimedia Systems, Fall 2018
Assignment 2

Due: 3pm on Oct. 10 (Wednesday)

- The problem sets form an important part of the learning in this course. Thus you are required to do them in order to pass.
- Try to be as clear and precise as possible in your presentation. It is recommended that you type the answers.
- No late assignments are accepted !!

Problem 1

What are the most salient differences between ordinary TV and HDTV? Please list three of them.

Problem 2

Obtain a MPEG-2 trace from the Internet. Find out the actual sizes of I-, P-, and B-frames from the trace. You need to report the maximum, average and minimum sizes of all three types of frames.

Problem 3

Search and review the paper "A Scalable MPEG-4 Wavelet-Based Visual Texture Compression System with Optimized Memory Organization" by B. Vanhoof and et al from IEEE Transactions on Circuits and Systems for Video Technology, Vol. 13, No. 04, Apr. 2003. Please then write (with your own words) the ONE-PAGE summary of the paper.

Problem 4

Perform some research for the latest status of MPEG-21 standards. Then please write (with your own words) the one-page summary.