Digital Image Processing (2016)

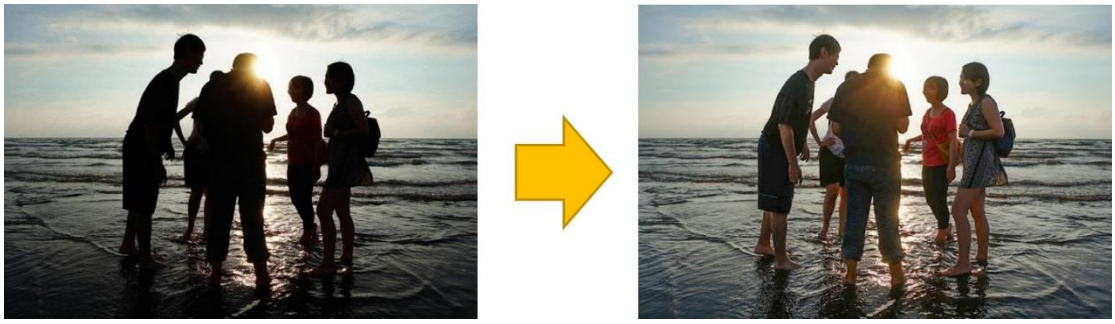
Homework 3

[Image Enhancement]

Deadline: 2016.11.17

Image Enhancement (100%)

Using C++, C or Matlab, enhance low-contrast, partially-low-luminosity, noisy bmp images. There is no limit for your design.



The performance will be evaluated by:

1. Contrast
2. Luminosity
3. Noise
4. Color

[Input]	input1.bmp	input2.bmp	input3.bmp	input4.bmp
[Output]	output1.bmp	output2.bmp	output3.bmp	output4.bmp

Demo: Check the output files.

Report: Do some discussion and explain how you do it in at most 6 pages (A4).

Digital Image Processing (2016)

Homework Rules and Grading Policy

Homework will be graded by:

1. Correctness.
2. Algorithm description
3. Discussion

Upload:

[FTP] 140.113.238.220
[Port] 634
[Username] DIP2016
[Password] DIP2016
[File Name] hw3_StudentId.zip (ex. hw3_1234567.zip)
hw3_StudentId_v2.zip

Remind:

1. Your C, C++ or Matlab code with comments
2. Your report in the format of .pdf
3. ReadMe.txt file which describes how to run your program
4. Hand in a hard-copy of your report in the class on the due date
5. Deadline
   If you have a late submission by 1 to 7 days, you will only get 70% of the score.
   We DO NOT accept any late submission after 7 days after the deadline.