MAT 201A - Media Signal Processing
Final project proposal

MAT 1st year PhD student
Intae Hwang

Background

   With the introduction of tubed oil colors, painters in late 19th century, went outside with their canvas and brush, filled colors what they saw through their eyes. In conventional studio practice, painters copied sample book of nature in the studio, their landscape are more closed to the 'ideal' not are 'real'. Impressionism is a 19th-century art movement that contradict the conventional art community in France.[1] Impressionist tried to developed the way to express under the way they saw through the retinas, at the same time, the colors applied on the white canvas were filtered the artists manner. Thus, their paintings, not like 1960s photo realist in the future, are addressed the scene in Paris at that time, also, they show us their characteristic view on the nature by the brush.

   Back to the modern technology, we are able to convert the image from camera through digital filters, because, digital camera records the light source from lense as a numbered information by pixel, basically, the computer performs change these numbers, then create different image. Compared to the Impressionist, contemporary computers can work as same as painters 100 years ago, programmers are able to get nice filtered image by changing the code.
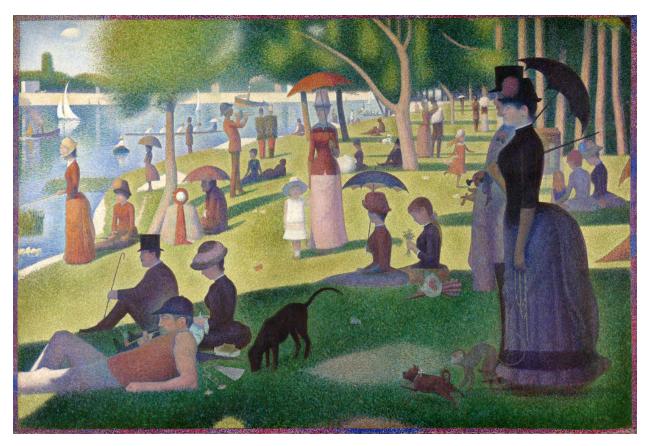
Procedure

   One of example of these is face oil painting, many printing company produce printouts almost exactly same quality as oil colored paintings, they print out on the canvas fabric to give more natural effect of the output. The process is quite easy due to the all the effort of program company "Adobe". Several functioned in the "Photoshop" offers filtering functions.

   Instead of using photoshop, using python program, I will perform the filtering process with pictures in the campus taken by myself. First of all, for the resource, I'll take a shoot on the scene in the campus, but make this work more interestingly, I will imitate the scene in the original paintings. The result will be close to the Impressionism painting, for this I'm required to study their color choice and brush stroke.

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[1] http://en.wikipedia.org/wiki/Impressionism

Final result

   The sample picture that I took in the campus will be analyzed and filtered through digital filtering processes which were taught in the class. The goal of this work is how these filtering systems affect to the image perception as an art work. One of artist who used this filtering system was Georges Seurat, French painter born in 1859, also, he is known as pointillism.
   He uses many dot of colors to create specific area of colors in the canvas, the way he

A Sunday Afternoon on the Island of La Grande Jatte, 1884–1886, at The Art Institute of Chicago [2]

presented shape and color is similar to the pixel in the electronic screen in these days.
 For the presentation, I would like show the printed work and images original pictures, then compare two individual works, then evaluate how much filtered work did approach to the technic of the Impressionist's and what kind of aesthetic emotions are evoked from the one in the past and now.

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[2] http://en.wikipedia.org/wiki/Georges_Seurat