Painterly Rendering with Curved Brush Strokes of Multiple Sizes:

I think this article was very interesting because the authors tried to create a hand-painted appearance from the photograph image. I think this application’s audience can be diverse from child to elder people who want to create an image that looks like it has been hand-painted. I think there are a lot of potentials in this applications in a sense that it can be applied to photoshop or directly implemented in the digital camera and etc. Nowadays, people request more with the image processing technique in the regular digital camera or image processing application. In order to show how diverse the picture can be taken, people who does not know how to paint can use this application and show off their photograph in a hand-painted style. I think there is a lot more implementation that can be used with this application.

What I liked about this application was setting the brush size. Depends on the brush’s radius, the image may look different. If the radius of the brush size is large then, the image may look less sharper than the source image but with small radius of the brush, it gets more sharper than the larger size of brush. I think this idea was interesting. Plus, what intrigued me the most was how the image transforms from the source image to the output image after the brush. Plus, compared to the “impressionist” paintings in figure 5, if the person is not aware of the painting style, the viewer might confuse that it is a real painting. But as I stated in the first paragraph, the most intrigued part of this application is diversity of the users. Anyone without the knowledge of painting can use this application to transform the photograph image into a hand-painted style image. Plus, if the user gets a fascinated picture that is hard to draw with a hand, the user can just transform that source image into hand-painted style image. I think the potential of this application is very huge.

Even though this application may have a lot potential but I think there should also be an improvement with this application. For example, it might be better if the authors of this work can not just focus on hand-painted style but also modern painting style. Nowadays, if we look at the painting, the painters have very different style of painting. The painters use photographs into their painting. Instead of just changing the whole source image into a hand-painted style image, what might be good to improve is to possibly choose a section that the user wants the actual source image to remain as it is and transform the other part of the image into the hand-painted style image. By then, the user can create their own unique characteristic in the output image and can be different with the other users who use this application.
Artifacts of the Presence Era: Using Information Visualization to Create an Evocative Souvenir

In our final project we were thinking of creating a visualization of social space based on camera and the audio. While I was reading this paper, this helped me to shape our goal and how visualization may look like. I think this paper is very interesting to me because the authors use camera and audio to create a visualization of the particular space’s event. But while I was looking at the visualization, it was difficult to see how the visualization was interpreting and what the data is actually showing at the first sight.

What I felt interesting about this paper was the usage of the camera to capture the motion. Because the authors tried to use the change of illumination to vary the people within the field of view of the camera to detect the event in the space. Most likely, I have never thought of using the illumination change may help to detect the people. In our final project, we were thinking of actually implementing the motion detection algorithm to capture the human, but maybe we might implement similar algorithm of detecting the presence of people by adopting illumination change algorithm. I really liked this idea. Also, I think implementing both visualization and the what is being captured through the camera is a very good idea. By looking at themselves through one window and see the change of visualization can help the users to interact more with the system. I think, if it was only the visualization that the system was showing, it might not get many attention to the audience because it will be hard to interpret the data when they first see the visualization.

For the improvement, I think it might be interesting to see the actual frequency of the audio that is being capture in the place. It could be interesting if the authors showed how the frequency might look like along the image that was being captured. Plus, what might be more interesting was actually drawing the visualization based on the graph of the frequency and show the interaction within that space. In other words, there is a window for the image and on the visualization side, the layer of the graph might be the frequency of the audio within that space. Inside the layer, there will be a color that represents the effects within that place.