Rensselaer Polytechnic Institute
Department of Electrical, Computer, and Systems Engineering
ECSE 6969: Computer Vision for Visual Effects, Spring 2014

Project Progress Report: due Monday, April 14^{th}, at the beginning of class.

The progress report for your project should be a document that contains the following sections:

1. Storyboard. Walk us through what we will see as the video progresses. You can use crude stick-figure sketches, still images, frames of video with arrows and such drawn on top of them in a paint program, etc. Try to include rough timing of how long each shot will take. The storyboard will probably take a few pages to create; use a template along the lines of what you can find at `http://www.printablepaper.net/category/storyboard`

2. Related Work. How is the effect related to one or more of the topics/algorithms in the book? What other related work is there from the technical or artistic literature that is related to your idea, such as research papers, examples of similar effects in TV, movies, or commercials? In the case of research papers, use the proper form for citations, e.g., "This effect is similar to Radke et al. [1], who used virtual video to..."

3. Data Collection. Where did you collect your raw image/video/audio data from? If you used your own camera, what were its specifications? How much raw video did you collect?

4. Technical Approach. Give a block/flow diagram for each main effect in your video, and details on each of the sub-blocks (e.g., if you used a Gaussian filter, what was its variance?). This part should be as detailed/mathematical as you can make it (suppose you were writing it so that someone else could re-implement your algorithm from your description). This section should also describe the software that you used to create and support the effect.

5. Preliminary Results. Include some frames from your work in progress. Highlight both strengths of your current algorithms and weaknesses that you plan to fix before the final project is due. Include any "making-of" images that give insight into intermediate steps. I would like to see lots of images and discussion here!

6. Plan for Completion and Further Work. What tasks are required to complete the project, and what is your plan for getting them done?

7. References. List the papers that were cited in the main text in the correct format, e.g.,

   [1] R.J. Radke, P.J. Ramadge, S.R. Kulkarni, and T. Echigo, Efficiently Synthesizing Virtual Video. *IEEE Transactions on Circuits and Systems for Video Technology*, vol. 13, no. 4, pp. 325–337, April 2003.

This may end up being a long-ish document, but you will add to it to create the final report. The goal is to get you thinking about the details of the project now vs. at the last minute.