

Weekly Report

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Week 13, 16 March 2009

Summary of activities since last meeting

Last meeting: 9 March 2009

Next meeting: 16 March 2009

Goals and Work targets

Goals for this week

- Create some more HDR images
- Well known places better for comparison between real life and print quality
- Get normal prints of HDR images
- Study prints
- Design prototype lighting box
- Continue research on backlighting technique

Goals Achieved

- Created two HDR images of Hamilton building, but with some hassles (see below)
- Designed a prototype lighting box but rethinking it (see below)
- Found a masters thesis [1] with lots of references that will be worth reading

Proposed goals for next week

- Learn some basic HTML and CSS (although not entirely project related, worthwhile I feel)
- Ask local photo printing labs what provision they have for printing HDR images
- Find and read interesting papers referenced in [1]

Rate your work performance

This week was better in terms of reading papers and researching. Not all my goals were achieved, such as creating HDR images and printing them. One reason for this was because the lab computer froze when trying to create an HDR image with too many images and I was forced to make the images at home on my personal computer. Because of this, printing of HDR images hasn't happened yet. Although I have designed a lighting box, more thought needs to go into whether or not the lighting box needs to be dynamic (based on the image) or not to be effective. If it needs to be dynamic (by using a changing array of LEDs, for example, I'm worried this will be closer to an electronic display, which needs to be changed for each image, something I'm trying to avoid with printed images).

Tasks/Learning

The most interesting thing from this week was the paper I found [1] and all the references (a lot of which seem useful at this stage).

References

- [1] Matthew Trentacoste. Photometric image processing for high dynamic range displays. Master's thesis, The University Of British Columbia, 2006.