
CS 6420

Topics in Image Processing and Multimedia

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url	http://www.cs.umsi.edu/~sanjiv/classes/cs6420
Office Hrs	MW 3:30 p.m. – 5:30 p.m. Any other time by appointment
Prerequisites	CS 5400, CS 5420, or consent.
Textbooks	None.

/objectives We will study the algorithms to generate large textures using isotropic toroidal tiles of a fixed size. In addition, we'll look at the current research in image processing and computer graphics.

/etc/policy: The grade will be based on programming project and a presentation of current research in the field. I'll expect each of you to select a topic in computer graphics, image processing, computer vision, or multimedia and present current research on the topic. You should search journals, or recent proceedings from Siggraph, Eurographics, or CVPR conferences and select at least one paper from within the past five years and present the paper in class. I'll also like to see an implementation of the ideas in the paper as well as a written report. If needed, I may allow two persons to combine their implementation of a topic. The distribution of grades will be as follows:

Main project implementation	60%
Paper presentation	10%
Written report	10%
Paper idea implementation	20%

The deadline for approval of topic for research will be the end of fifth week. You can also look at <http://scholar.google.com> for papers. There is no exam.

/etc/note: You have an account on one of the Unix machines on campus and you should use it for all assignments. You can communicate with all the students in the class using the email alias to be announced in class. Any message sent to this list will automatically go to all the students in the class. I'll make the lecture notes available on the class web site.

Any unsigned email and email not in plain text will go unanswered by me. Please do not send me any attachments without talking to me first.