

Faculty of Computer Science

CS6999 Reading Course Presentation

The Past, Present and Future of Image Representations

By

Dave Gay

MCS Student

Faculty of Computer Science

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3:30 p.m.

ITC317

STUDENTS ARE ENCOURAGED TO ATTEND

In this talk, I will outline a "prehistory" of the digital image, outlining key areas and innovations (i.e. photography, teletype, television). I will then briefly discuss the origins of the digital image processing techniques used for enhancement (i.e. noise/artifact removal). An extension of these techniques led to the era of statistical classification, where numerical methods were used to classify images, though with limited success. Next, I will discuss some early attempts to extract symbolic information from the numeric representation of digital images. Finally, I will outline the potential impact of the ETS model on our understanding of image representation. The objective of the talk is to highlight the difference between the *encoding/storage* of a digital image and an image representation for *intelligent processing*.

