R•I•T College of Science

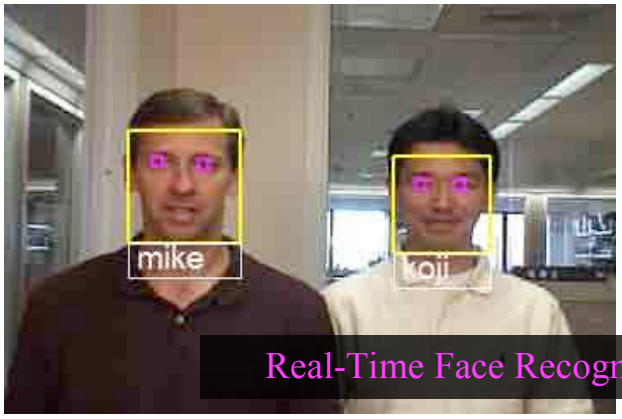
Chester F. Carlson Center for IMAGING SCIENCE

Seminar Series

Face Recognition, Seamless Multidisplays and Other Research

Jay Thornton, *Manager, Computer Vision*

Mitsubishi Electric Research Labs



Real-Time Face Recognition

Multi-projector Display in Dome

4pm, Wednesday, Jan. 11, 2006

Auditorium of the Center for Imaging Science

At MERL we work in many areas: computer vision, digital communication, digital video, human computer interfaces, sound and speed processing, multi-projector systems, and sensor and data systems. I will give examples from many of the areas but will focus on work in computer vision. Face recognition has been a major theme building on the now classic methods of Viola and Jones. Those methods have been applied to determine gender, race, emotion, and the person. Another interesting application of computer vision has been to construct and calibrate multi-projector systems for huge seamless displays or walls of stacked video cubes.

www.cis.rit.edu/seminar

for up-to-date seminar schedule, video archives and abstracts.

Speaker Bio

Jay Thornton is manager of the Computer Vision Applications group in the MERL Technology Lab (Mitsubishi Electric Research Laboratories.) His degree program was Mathematical Psychology (Ph.D. U Michigan.) His doctoral work focused on perception and vision, and his thesis concerned channels mediating color vision. After a post doc at the University of Pennsylvania, he worked for Polaroid Corporation, first in the Vision Research Laboratory and then as manager of the Image Science Laboratory. At Polaroid he worked on problems in color reproduction, image quality, image processing, and half toning. At MERL since January 2002, he manages a group working on computer human observation—the problems of trying to analyze, measure, count, detect, and recognize people, and also problems of geometric alignment and color calibration of multiple displays and cameras.