

R.I.T. College of Science  
*Chester F. Carlson*  
Center for **IMAGING** SCIENCE  
Seminar Series

# Scene Dependency in Image Quality, Scene Analysis and Classification

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1 - Original image



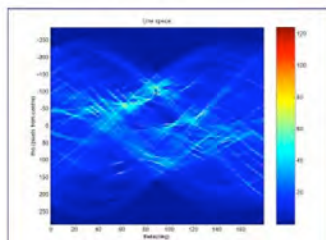
2 - Marr Hildreth



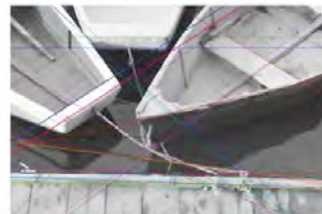
3 - Edge image



4 - Line space



5 - Original with Radon lines



The problem of scene dependency and scene susceptibility in image quality assessments will be introduced. Image analysis methods will be presented that group test scenes according to human-important scene properties. Content of test images are analyzed according to low-level image features such as original scene contrast and global brightness, amount of dominant lines, scene busyness, and flat areas. A basis for further study on scene dependency and scene classification with respect to image quality measurements will be suggested.

**NOTE: TALK TAKES PLACE ON THURSDAY at 3pm**

**3pm, Thurs, Jan. 15, 2009**

**Auditorium of the Center for Imaging Science**