

R.I.T.

College of Science

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Center for **IMAGING** SCIENCE

Seminar Series

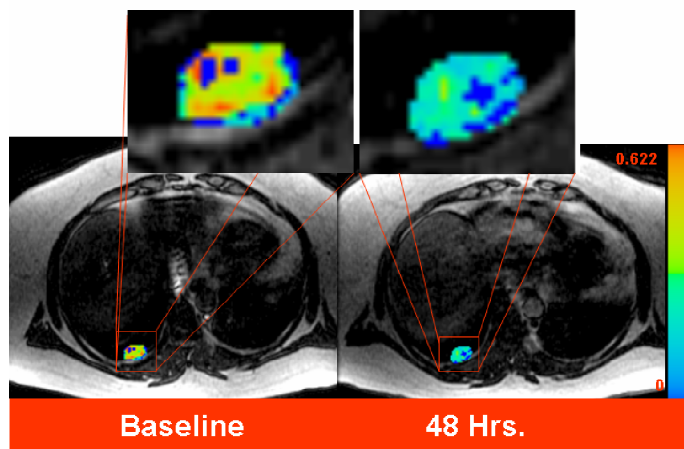
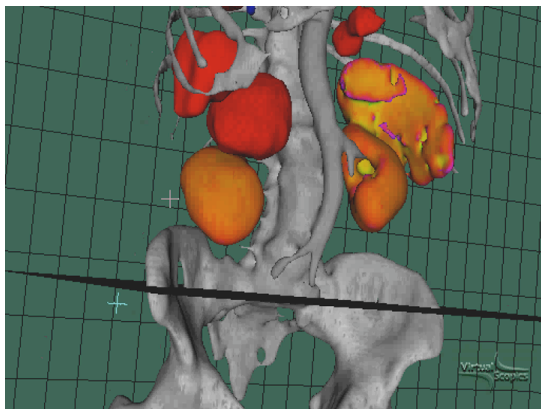
Quantitative Medical Imaging

Edward A. Ashton

VirtualScopics, LLC

4pm, Wednesday, Oct. 19, 2005

**NOTE LOCATION: Van Peursen Auditorium
in Bldg. 8 (College of Science)**



The medical imaging field is undergoing a radical shift, from subjective interpretation to quantitative analysis and measurement. This transformation is well established in the clinical trials arena, and is beginning to enter the diagnostic field. This talk will consider implications of this change in terms of instrumentation, procedure, and analysis. It will include a brief review of principal imaging modalities (CT, MRI, PET, Ultrasound), and will examine acquisition and analysis techniques required for transition from qualitative to quantitative imaging.

www.cis.rit.edu/seminar

for up-to-date seminar schedule, video archive and abstracts

Speaker Bio

Edward Ashton leads research programs in oncology, neurology and cardiovascular health for VirtualScopics, LLC. He has extensive R&D experience in both biomedical imaging and military surveillance and reconnaissance. Prior to joining VirtualScopics, he was a lead signal-processing engineer at The MITRE Corporation. His Ph.D. and M.S. EE degrees are from U of R where he was an NSF and a Sproul Fellow. His B.S. EE degree is from Loyola College.