

R.I.T

College of Science

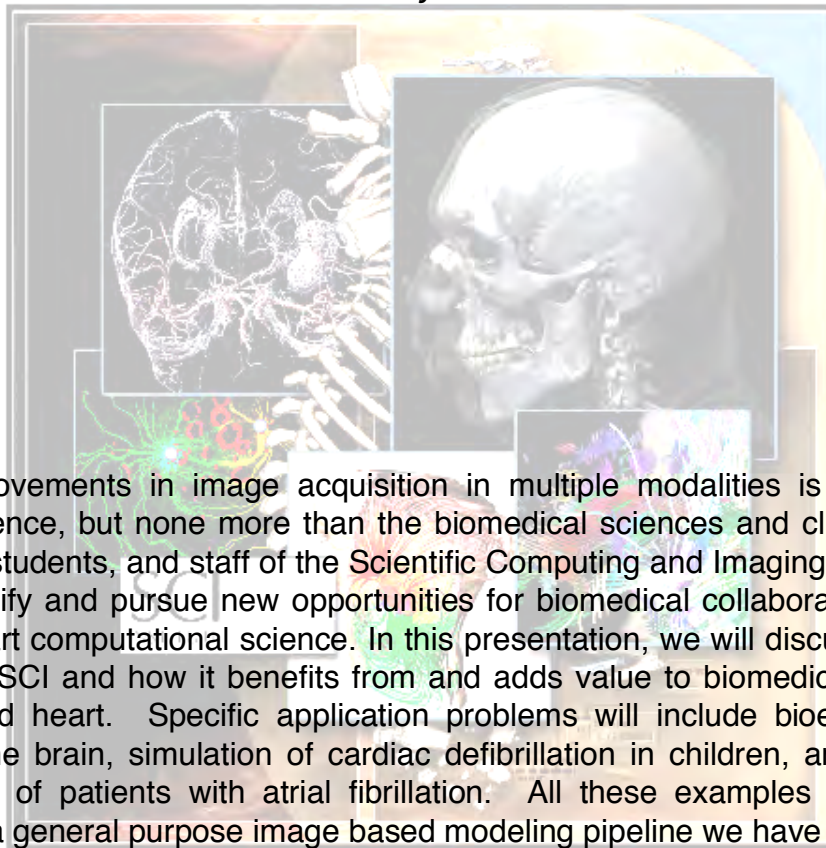
Chester F. Carlson

Center for **IMAGING** SCIENCE
Seminar Series

New Reasons for Doctors to Like Imaging: Applications in Cardiology and Neurology

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Recent improvements in image acquisition in multiple modalities is driving many facets of science, but none more than the biomedical sciences and clinical practice. The faculty, students, and staff of the Scientific Computing and Imaging (SCI) Institute seek to identify and pursue new opportunities for biomedical collaboration based on state of the art computational science. In this presentation, we will discuss the overall approach of SCI and how it benefits from and adds value to biomedical research in the brain and heart. Specific application problems will include bioelectric source location in the brain, simulation of cardiac defibrillation in children, and MRI based management of patients with atrial fibrillation. All these examples are based on elements of a general purpose image based modeling pipeline we have developed.

4pm, Wed, May 6, 2009

Auditorium of the Center for Imaging Science

www.cis.rit.edu/seminar

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