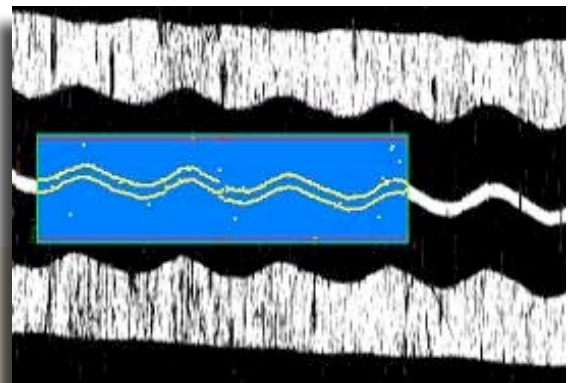
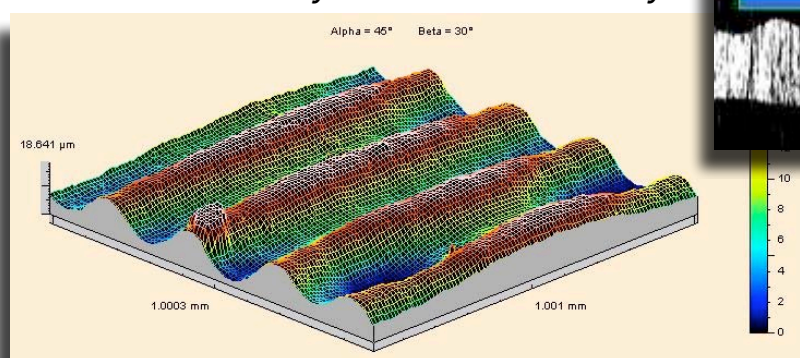


R.I.T. College of Science  
*Chester F. Carlson*  
Center for **IMAGING** SCIENCE  
Seminar Series

# Imaging Methods Applied to Recorded Sound Preservation and Access

Carl Haber

*Senior Scientist  
Lawrence Berkeley National Laboratory*



**4pm, Wednesday  
Oct. 25, 2006**

**Auditorium of the Center for Imaging Science**

Sound was first recorded and reproduced by Thomas Edison in 1877. Until about 1950, most recordings were made on mechanical media such as wax, foil, shellac, lacquer, and plastic. This talk will begin with a discussion of the history and technical basis of sound recording. Recently, optical metrology and image analysis have been applied to restoring historical sound recordings. This approach, current results, and prospects for the future, are the focus of this talk and will be illustrated with sounds and images.

**[www.cis.rit.edu/seminar](http://www.cis.rit.edu/seminar)**  
**for up-to-date seminar schedule, video archives and abstracts.**

**Speaker Bio**

Carl Haber is an experimental physicist. He received his Ph.D. in Physics from Columbia University in 1985 and is a Senior Scientist in the Physics Division of Lawrence Berkeley National Laboratory at the University of California. Most of his research interest involves the development of instrumentation and methods for detecting and measuring particles created at high energy colliders such the facility at Fermilab near Chicago. These interests have also led him, and his colleagues, to apply their methods to the topic of sound restoration. He is a Fellow of the American Physical Society and of the John Simon Guggenheim Memorial Foundation..