CCT Colloquium Series

Visualizing Data through Sound

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Johnston Hall 338
February 09, 2007 - 03:00 pm

Abstract:
Sonification is an interdisciplinary endeavor demanding skills in diverse fields such as psychoacoustics, digital signal processing, computer programming, data analysis and at least a small amount of knowledge in the domain under study. It offers an additional mode of data representation to researchers that can compliment and in some cases exceed the performance of visualization. It also has implications in providing access to data for the sight-impaired. Sonification also holds many characteristics in common with music and its practitioners can benefit from a study of music in the same way that practitioners of visualization benefit from a study of graphic design. This lecture provides an overview of my own research in the field as examples of what works and what doesn't work.

Speaker's Bio:
Brian Willkie is seeking his Ph.D. from Louisiana State University where he works with Dr. Stephen Beck in the Electroacoustic Studio and the Laboratory for Creative Arts and Technologies (LCAT). His works have been performed in Japan, Argentina, the U.K. and regionally in the Southeastern U.S. and are published by Dorn Publishing. Brian received his Masters and Bachelors degrees in composition from the University of Georgia at Athens and studied in Paris at the Center for the Composition of Music Iannis Xenakis (formerly Les Ateliers UPIC). Current projects include ICAST, sonification, and spatialization.

This lecture has a reception.

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