

## **Project Year**

2003

## **Project Team**

Faculty: Geoffrey Wright, Conservatory Instruction / Computer Music, Peabody Institute

Fellow: Robert Hamilton, Computer Music, Peabody Institute

## **Project Title**

Digital Music Interactions

## **Audience**

The issues addressed within the project will be of interest to the following departments: the Music Education Department and Computer Music Department at Peabody, the Education Department and Computer Science Department at Johns Hopkins University, the Johns Hopkins Center for Talented Youth, and the Peabody Preparatory program.

## **Pedagogical Issue**

The Digital Music Interactions project addresses the issue of how the study of interactive musical composition can be presented to young instrumental students. In recent years, children have started becoming comfortable working with computer systems at younger ages. Unfortunately, the majority of young music students and their teachers are unaware that there exists an established computer music field, within which performers can interact musically and artistically with sophisticated musical computer systems.

## **Solution**

This project will develop a software-based suite of musical compositions that will showcase fundamental concepts of interactive computer music performance in a format designed to be accessible for young music students. By presenting students with these pieces, music instructors can take advantage of their students' eager attitudes and desire to learn, as well as their high comfort levels with technology, to enhance students' perception of the new timbral possibilities and compositional structures made possible through interaction with computer music systems. By taking advantage of the recent developments of cheaper, faster, easily-networked, multimedia-ready computers, and their widespread adoption in the home, we hope to engage young music students and offer them an early, meaningful introduction to the possibilities offered to a musician through interaction with music computer systems.

## **Technologies Used**

Max/MSP Programming Environment

A link to the Digital Music Interactions site is available here:

<http://pcm.peabody.jhu.edu/interactions/about.html>