02. Dance

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Abstracts from the 2013 Oklahoma Research Day
Held at the University of Central Oklahoma

03. Fine Arts and Design

02. Dance

03.02.01 Dancing With Technology: Creating New Interactions Between Music Composition and Dance Choreography with Movement Controlled Sound and Video in the Collaborative Performance, Network

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Recent innovations in computer music technology have made possible a new approach to music composition and dance choreography: the compositional and choreography processes have equal determination in the creative process, even to the point of rendering that process in real-time. These technologies include hardware and software for real-time audio and video creation and processing, and interactive computer programming. This project, supported in part by a grant from the Office of Research & Grants, The University of Central Oklahoma, explores new approaches to performance art by experimenting with some of the aforementioned technologies in live performance environments. Through experimentation and this technology, dancers are able to affect the live sound and video projections with their movements in realtime. All of the audio and video processing tools were written in Max/MSP computer software. Working with Austin Hartel and dancers from The Hartel Dance Group of Oklahoma City, I was able to conduct hands on research into new interactions between music/video composition and choreographed/improvised dance. This collaborative exploration of technology, music, video and dance led to Network, premiering in Oklahoma City at The Magnolia Building on June 7th, 2012 and subsequently performed multiple times over the past year at venues such as The Oklahoma City Museum of Art and at Living Arts in Tulsa, OK.