



Southwestern Oklahoma State University  
**SWOSU Digital Commons**

---

Oklahoma Research Day Abstracts

2013 Oklahoma Research Day

---

Jan 1st, 12:00 AM

## 02. Dance

University of Central Oklahoma

Follow this and additional works at: <https://dc.swosu.edu/ordabstracts>



Part of the [Art and Design Commons](#), and the [Fine Arts Commons](#)

---

University of Central Oklahoma, "02. Dance" (2013). *Oklahoma Research Day Abstracts*. 2.  
<https://dc.swosu.edu/ordabstracts/2013oklahomaresearchday/fineartsanddesign/2>

This Event is brought to you for free and open access by the Oklahoma Research Day at SWOSU Digital Commons. It has been accepted for inclusion in Oklahoma Research Day Abstracts by an authorized administrator of SWOSU Digital Commons. An ADA compliant document is available upon request. For more information, please contact [phillip.fitzsimmons@swosu.edu](mailto:phillip.fitzsimmons@swosu.edu).

## **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**

**Aaron Robinson,**

*University of Central Oklahoma*

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.