

The LSU logo is displayed in a large, bold, purple font. It is positioned in the top left corner of the slide, overlaid on a background image of a building and trees.

LSU

College of Music & Dramatic Arts  
School of Music



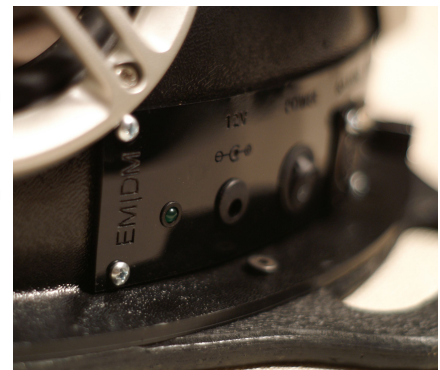
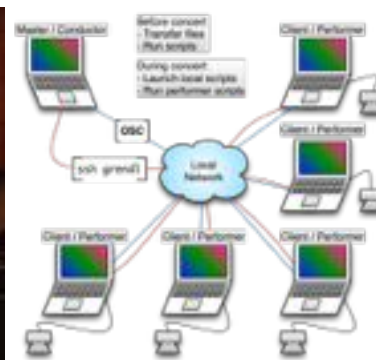
# Experimental Music & Digital Media

*Creating the future of music — today*

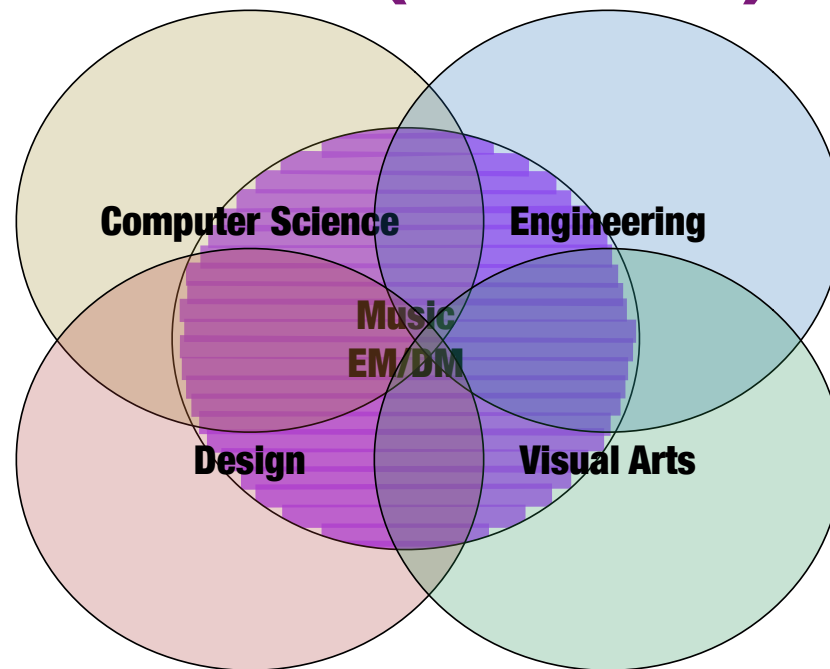
LOVE PURPLE  
LIVE GOLD

# Experimental Music & Digital Media (EMDM)

addresses the emerging understanding that technology, computation and digital resources have profoundly changed the way in which we compose, perform, study and teach music.



# Experimental Music & Digital Media (EMDM)





# Experimental Music & Digital Media (EMDM)



Jesse Allison, DMA  
UMKC



Stephen David Beck, PhD  
UCLA



Edgar Berdahl, PhD  
Stanford



Trey Duplantis, BA in Music (Class of 2014)

## EM/DM

- Degree Programs
  - PhD in Music
    - EM/DM Concentration
  - Bachelor of Arts in Music
    - AVATAR Minor in Digital Media

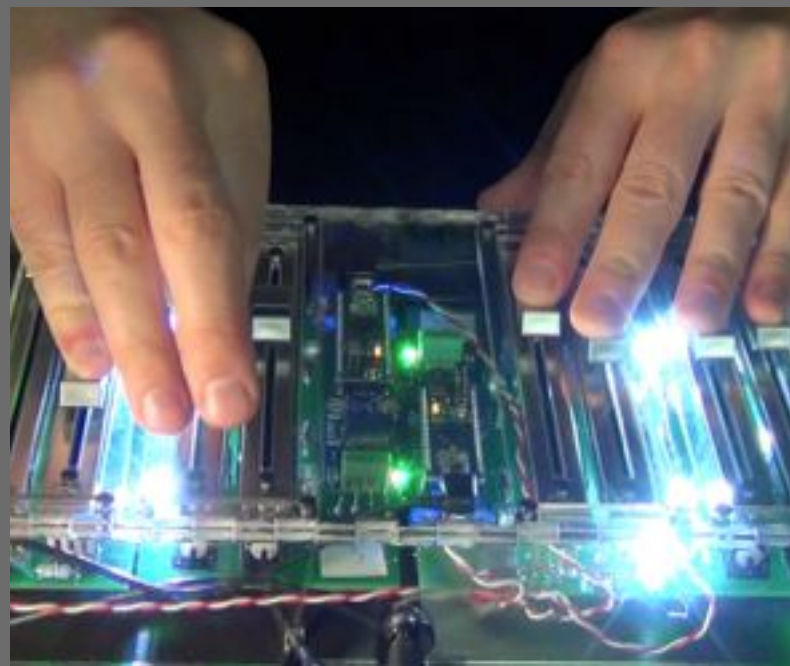
# PhD in Music - EM/DM

- Research-oriented Degree, designed for composers, performers, theorists, educators
- Everyone composes, everyone performs, everyone writes code
- Projects include:
  - IMP - the Improvising Musical Partner
  - Audio triggered visualizations of musical performances
  - Web Audio compositions
  - The “DIY Maker” culture in Electronic Music

# BA in Music

- Liberal Arts music degree
  - Applied lessons in electronic music composition
  - Laptop Orchestra
  - AVATAR Minor in Digital Media
- Undergraduate Research Opportunities





FireFaders - a haptic device for performing virtual instruments

# Research

- Supercomputing for Music
- Physical Computing
- Sound Spatialization & Diffusion
- Mobile Music Apps
- Music Over Networks





The Stingray - Edgar Berdahl

# Creation

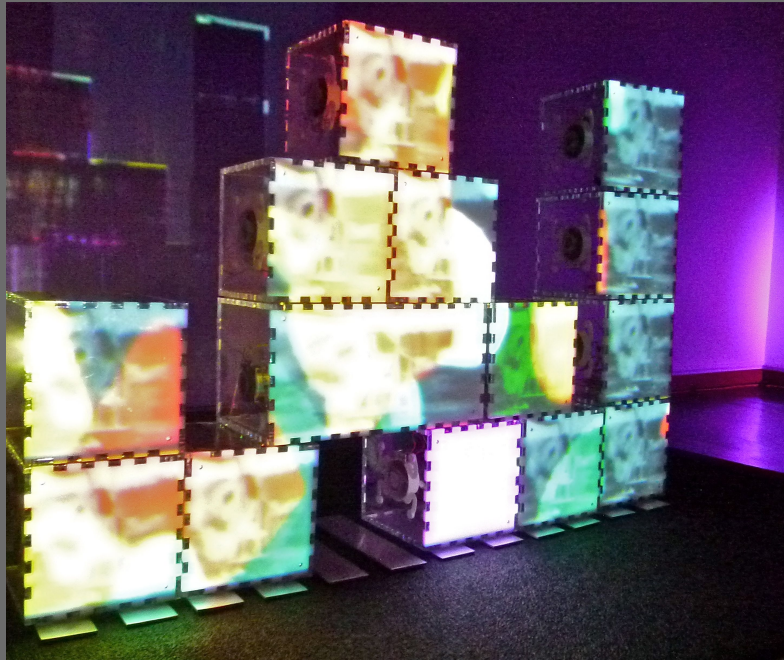
- Interactive Computer Music
- Studio Recording & Composition
- Music for Laptop/Mobile Ensembles
- Virtual/Physical Lutherie



The Laptop Orchestra of Louisiana (LOLs)

# Performance

- Laptop Orchestra of Louisiana
- Louisiana Mobile App Orchestra
- Cinema for the Ears
- High Voltage



Social Structure - Jesse Allison

# Collaborations

- School of Music
- School of Art
- School of Computer Science & Electrical Engineering
- anship School of Mass Communication
- Center for Computation & Technology (CCT)





Embedded Devices Workshop - SLEO

# Symposia & Workshops

- First Symposium on Laptop Ensembles and Orchestras (SLEO 2012)
- New Interfaces for Musical Expression (NIME 2015)



Digital Media Center

## Digital Media Center

- Center for Computation & Technology
  - Cultural Computing
  - Digital Media Arts & Engineering Program
  - AVATAR Minor in Digital Media
- Electronic Arts North American Testing Center

# Digital Media Center

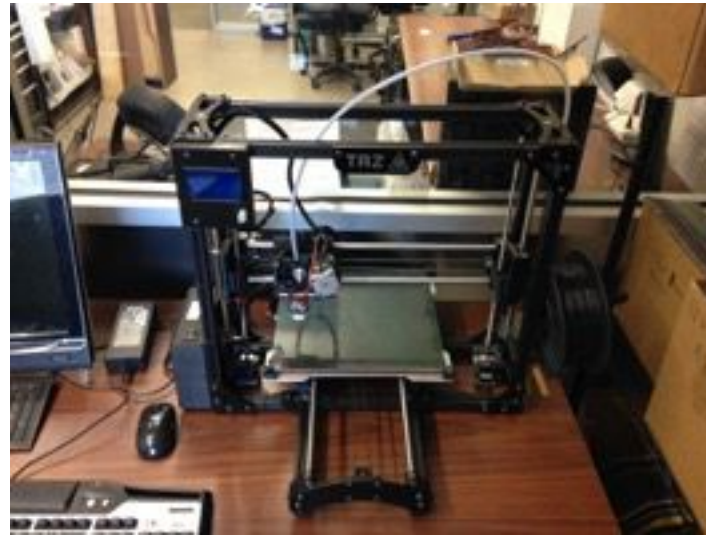
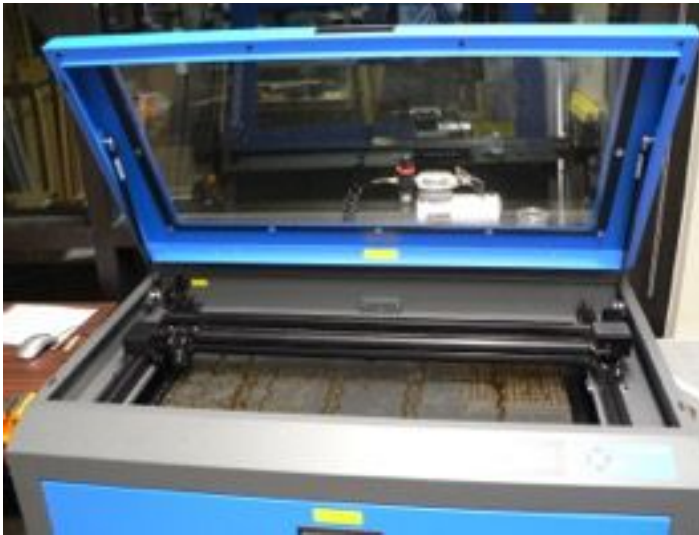
- Media Interaction Lab/Library (The MILL)





# Digital Media Center

- Fabrication Lab



# Digital Media Center

- Recording Studios and Post Production



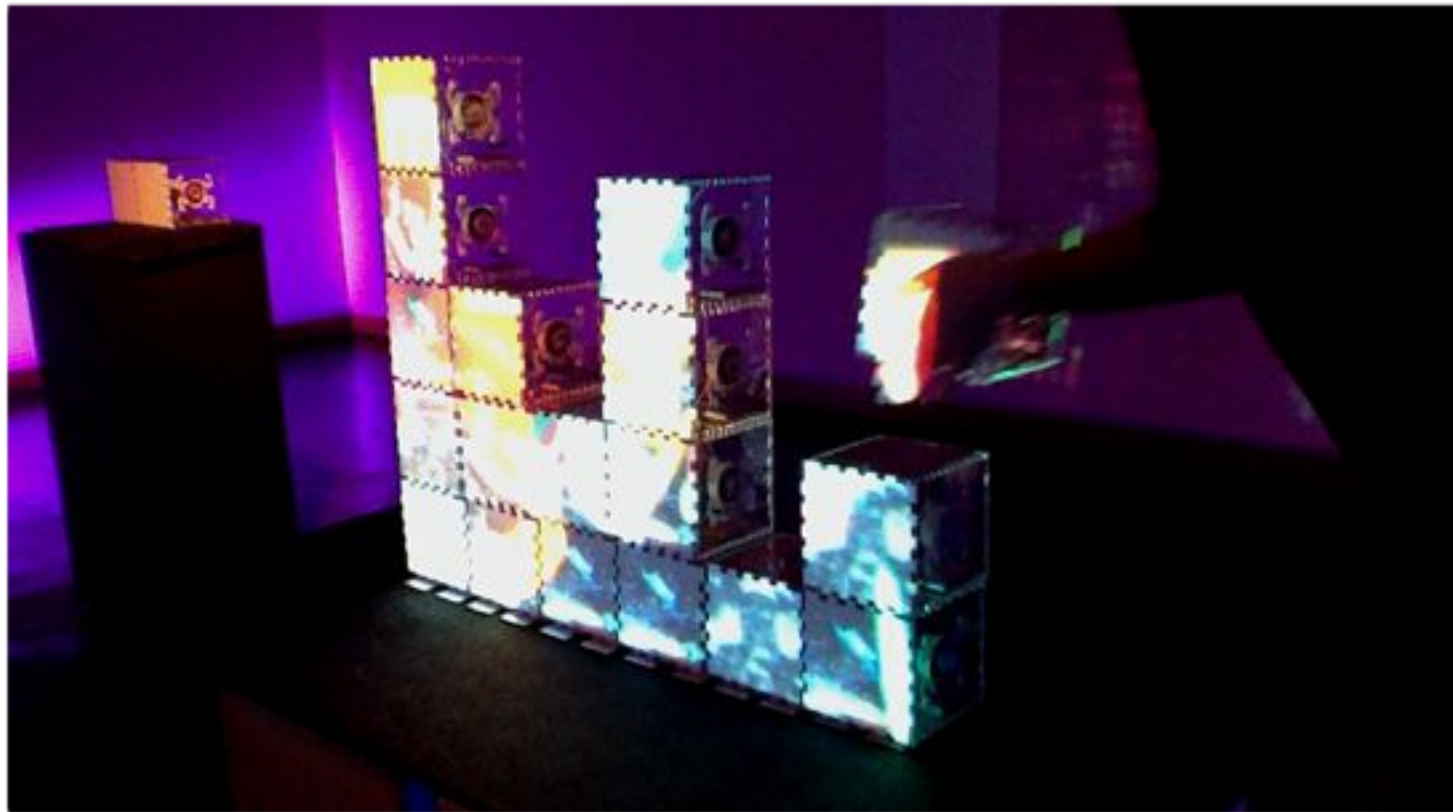


# Digital Media Center

- Digital Theatre w/ 4k Cinema and 72-channel surround sound







## Social Structure



Gua



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<http://emdm.music.lsu.edu/>

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LIVE GOLD**