

ADVANCED COMPUTING CENTER FOR THE ARTS AND DESIGN (ACCAD)



THE OHIO STATE
UNIVERSITY

accad.osu.edu

The Ohio State University Advanced Computing Center for the Arts and Design (ACCAD) is a collaborative creative research space where scholars, visual artists, computer scientists, engineers, designers and performance artists come together to make, create, imagine and connect. ACCAD's mission is to foster, support, inform and inspire innovative thinking and experimentation in the arts and technology for graduate students, faculty and research staff.



There is No Silence. Collaboration between ACCAD and the Department of Theatre. Jeanine Thompson (Theatre), Alex Oliszewski (Theatre/ACCAD), Vita Berezina-Blackburn (ACCAD), Student Animators: Tom Heban and Sheri Larrimer (Design/ACCAD)

COLLABORATION IN THE DIGITAL AGE

ACCAD is an 8,000 square-foot research facility and computing environment for graduate students, faculty and staff. Collaborators are supported with a stable network of high-end graphics resources within reconfigurable collaborative spaces. The center provides a simulation and interactive media lab, 15-seat graphics classroom, a motion capture lab, digital HD video editing suite, a surround sound composition lab and an interactive performance space.

A creative hub for the digital arts and sciences.

AT A GLANCE

ACCAD is internationally known for pioneering work in computer graphics and animation and as a best-practices model for multidisciplinary creative research collaborations.

RECENT CREATIVE PROJECTS INCLUDE:

- *Seeding Sullivant Hall* - a place-based project embedding the environment with physical beacon hardware that localizes access to the content database of historical and significant information about the building.
- *Virtual Patient* - An interactive training application in collaboration, with Ohio State's Wexner Medical Center, incorporating an artificial intelligence-driven, customizable avatar with a conversation engine used for medical students preparing for examinations involving interviews with new patients.
- *There is No Silence (Marceau Project)* an interdisciplinary multimedia research project in which the unique performance data of Marcel Marceau collected at ACCAD's Motion Capture Lab became a foundation for learning the pantomime and enabling actors to interact with real-time avatars in performance.

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COLLEGE OF ARTS AND SCIENCES

COURSES OFFERED BY ACCAD

History of Animation, Computer Animation I & II, Concept Development for Time-Based Media, Programming Concepts for Artists & Designers, Interactive Arts Media I & II, Computer Game Art & Design I & II, Digital & Physical Lighting, Virtual Modeling, Synthetic Cinema, Expressive Animation, Procedural Shading, Experimental Scripting for Animation, Performance & Installation Technologies, Motion Capture Production, Designing Immersive Virtual Environments, Procedural Animation.

STUDENTS WHO STUDIED AT ACCAD WORK FOR:

Adobe Systems, Blue Sky Studios, Chung-Ang University, Columbus College of Art & Design, Disney, Disney Research, Dreamworks Animation, Electronic Arts, Emily Carr, Google, IBM, Microsoft, NVIDIA, Pixar, Rhode Island School of Design, Ringling College of Art & Design, Rochester Institute of Technology, Savannah College of Art and Design, Simon Fraser University, Sony Imageworks, Sony Research Labs, University of Maryland, University of Texas.

ACCAD OUTREACH

Digital Animation: A Technology Mentoring Program for Young Women is a free two-week summer program for central Ohio young women who have completed or are entering the 7th and 8th grades. These young women work with graduate student mentors learning to create digital animation. The program aims to address gender inequities in the field by introducing young women to digital animation at an early age through mentoring and hands-on experiences in making animation.

ACCAD's SIM Lab is a space for research and experimentation with alternative display and interaction systems. Real-time rendering, games and mobile device applications, networked multiple user interaction, touchscreens, stereoscopic and head-mounted displays are examples of the technologies used in the lab. The lab is a resource for exploration and exposure to alternative ways of thinking about presentation and interaction with computer graphics applications and creative works.

GRADUATE PROGRAMS AFFILIATED WITH ACCAD

MFA Art, Dance, Design, Theatre

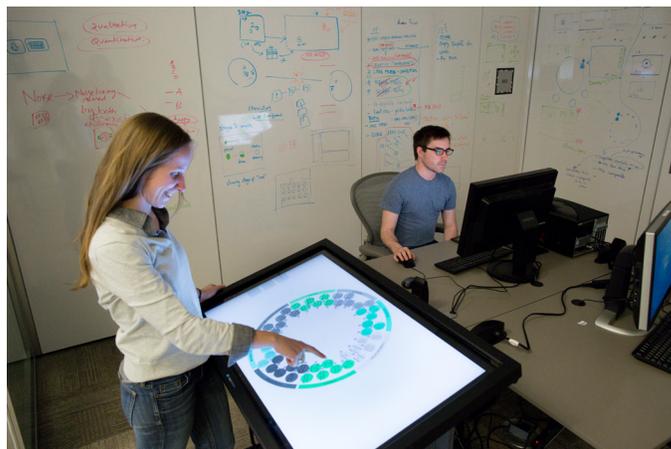
MA or PhD Music

MS or PhD Engineering

Additionally graduate students from across the university, including architecture, anatomy and communications contribute to our community.



ACCAD's Motion Lab is a rapidly reconfigurable interdisciplinary space for motion research and advanced technology performance investigation.



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