

Project title: Installation and Calibration of a 64-Channel Dante-Based Spherical Speaker Array for Immersive Audio

Supervising Faculty: Ming-lun Lee

Project description:

This research project involves assisting with the development and installation of a 64-speaker spherical array in the CSB616 Immersive Audio Lab. The system will support research and creative work in immersive and spatial audio.

The student will help assemble and install a truss structure supporting 64 KEF loudspeakers, assist with system wiring and testing, and participate in calibration of the multichannel speaker array. The student will also help configure the Dante-based audio networking system used to distribute higher-order Ambisonic recordings to the speakers.

Through this project, the student will gain hands-on experience with immersive audio technology, multichannel loudspeaker systems, audio networking, and experimental audio system design.