

## **Utilization of Motion Capture Across Multiple Fields of Study**

This will be an oral presentation with motion capture footage.

This Research Symposium project will focus on motion capture and how the technology can be used across different fields of study in order to convey through video footage; ideas, instruction, presentation and efficient methods of visualizing those qualities to the audience. The presentation will consist of a section of showing the research process and the programs utilized in order to create the motion capture in its production phase, followed by a walk-through of the animation process to produce the final product. The fields of study that are covered will range from medical, film, instructional videos and game development.

There will also be a question and answer portion of the presentation once all the footage and points of the presentation have been addressed. Followed by a setup of an actual motion-capture area where the audience can participate and have their motions captured and displayed on a screen.