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UNIVERSITY OF CALIFORNIA, SAN DIEGO

Integrating 3D Models with the Theatrical Design Process

A Thesis submitted in partial satisfaction of the requirements

for the degree Master of Fine Arts

in

Theatre and Dance (Design)

by

Justin Humphres

Committee in charge:

Professor Robert Brill, Chair
Professor Marc Barricelli
Professor Victoria Petrovich

2017

The Thesis of Justin Humphres is approved and it is acceptable in quality and form for publication on microfilm and electronically:

Chair

University of California, San Diego

2017

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ABSTRACT OF THE THESIS

Integrating 3D models with the theatrical design process

by

Justin Humphres

Master of Fine Arts in Theatre and Dance (Design)

University of California, San Diego, 2017

Professor Robert Brill, Chair

The ability to visually communicate ideas is perhaps the most important skill that a designer can have. With recent advancements in technology, traditional forms of visual communication such as hand drawing and painting are being replaced by computer models and 3D rendering. Utilizing these technologies allows designers to not only communicate more efficiently, but also make discoveries about how the environment may interact with the audience and performers in a way that was previously not possible.