CONSTRUCTION AND ASSESSMENT OF A COMPUTER GRAPHICS –

BASED MODEL FOR WHEELCHAIR PROPULSION

**by**

**Brooke Marie Odle**

**A Dissertation**

**Submitted to the Faculty of**

**New Jersey Institute of Technology**

**and Rutgers University Biomedical and Health Sciences – Newark**

**in Partial Fulfillment of the Requirements for the Degree of**

**Doctor of Philosophy in Biomedical Engineering**

**Department of Biomedical Engineering**

**January 2014**