BIOGRAPHICAL SKETCH

NAME **Betsy V. Hunter**	POSITION TITLE **Graduate Student**		
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
LeTourneau University, Longview, TX	BS	2004	Biomedical Engineering
Northwestern University, Evanston, IL		04-present	Biomedical Engineering

A. Positions and Honors

Employment History

2001	Intern, The Siemon Company, Engineering Department
2001-2002	Calculus Tutor, LeTourneau University, Mathematics Department
2003	Intern, National Institutes of Health, Biomedical Engineering Summer Internship Program (BESIP)
2004	Research Assistant, LeTourneau University, Biomedical Engineering Laboratory
2004-present	Graduate Student, Northwestern University, Sensory Motor Performance Program

Professional Memberships:

2002-04	American Society of Mechanical Engineers
2003-04	Society of Women Engineers
2007-present	American Society of Biomechanics

Honors/Awards

2000-04	LeTourneau University President's/ Dean's List
2002	Society of Women Engineers Award
2003	Barry M. Goldwater Scholarship Nominee
2003	Epsilon Eta Sigma (LeTourneau University Engineering Honor Society)
2003	Gold Key Honor Society
2003-04	Project Manager, Senior Engineering Design Team: Intelligent Prosthetic Arm
2004	Summa cum laude, LeTourneau University
2004-07	National Science Foundation (NSF) Graduate Research Fellow
2008	American Heart Association Predoctoral Fellow

B. Peer-reviewed Publications

Abstracts/Posters:

Hunt, B.V., Brant, H.B., Cohen, Z., Sheehan, F.T. Virtual Functional Anatomy: Quantifying and Visualizing Joint Kinematics. National Institutes of Health BESIP Presentations, Bethesda, MD, August 2003.

Hunt, B.V., Cohen, Z., Sheehan, F.T., Evaluation of a Joint Modeling technique Extracted from Static and Dynamic MR Images. National Institutes of Health Student Poster Day, Bethesda, MD, August 2003.

Downing, E., **Hunt, B.** and Gonzalez, R.V. A Three Dimensional Forward Dynamic Model of a Human Knee for Determining Ligament Forces. ASME National Congress, Washington, DC, Nov, 2003.

Hunt, B.V., Gonzalez, R.V. Moment arm verification of a computational musculoskeletal arm model. 21st Annual Houston Conference on Biomedical Engineering Research, Houston, TX, Feb, 2004.

Hunt, B.V., Gonzalez, R.V. Using musculoskeletal properties to develop a "normalized potential moment contribution index" for individual arm muscles. ASME National Congress, Anaheim, CA, Nov, 2004.

Hunter, B.V., Dhaher, Y.Y., Muscle Function: Experimental Assessment of Model Predictions, Podium Session, Biomedical Engineering Society Annual Meeting; Oct. 2006.

Hunter, B.V., Dhaher, Y.Y., Thelen, D.G., Experimental Evaluation of Model-Based Lower Extremity Induced Accelerations, ASB 2007 Annual Conference.

C. Research Support

Graduate Research Fellowship
Source: National Science Foundation (NSF)
Role: Graduate Student, sole recipient of award
Date: 09/2004-08/2007
Purpose: To begin schooling for a doctoral degree in Biomedical Engineering

Merrill Endowment
Source: Merrill Funds
Principle Investigator: Yasin Dhaher
Role: Graduate Student
Date: 2007-present
Purpose: Funds for laboratory equipment, student stipends, subject stipends, research expenses, etc.

Predoctoral Fellowship
Source: American Heart Association, Greater Midwest
Principle Investigator: Betsy Hunter
Role: Graduate Student
Date: 01/01/2008-12/31/2009
Purpose: Funds for student stipends, research and travel expenses