## Me Too

### Department of Mechanical Engineering Johns Hopkins University, Baltimore, MD 21218 US Citizen

EDUCATION Ph. D., Mechanical Engineering

Expected May 2009 Johns Hopkins University Baltimore, MD

Advisor: Dr. xxx

M.S., Mechanical Engineering

2004-2006 Johns Hopkins University Baltimore, MD

Specialization: Robotics Advisor: Dr. xxx

B.S., Mechanical Engineering, Cum Laude Society

2000-2004 University of Pennsylvania Philadelphia, PA

Thesis: Determination of Human Dynamics in a Pivot Turn

RESEARCH Telerobotics and Haptic Exploration

EXPERIENCE September 2004-Present Johns Hopkins University Baltimore, MD

Haptic Exploration Lab

Investigation of methods of human exploration and development of museum haptic display.

**Analysis of Human Movement** 

January 2003-May 2004 University of Pennsylvania Philadelphia, PA

Vestibular Ocular Motor Research Laboratory

Biomechanical testing, analysis, and computer simulation of human movement during a step turn.

Determination of Flow Patterns in Uterine Model

May-August 2004 Tel Aviv University Tel Aviv, Israel

Biofluids Lab, In Vitro Fertilization

Performed biofluid tests to allow analysis of various flow patterns in a uterine model upon injection

of a dye.

Teaching Undergraduate Student Mentor

EXPERIENCE January - Present Johns Hopkins University Baltimore, MD

Haptics Research

Mentored David Chow, a Johns Hopkins University undergraduate student, for the design of a pro-

prioceptive feedback device.

**High School Student Mentor** 

June - August 2006 Johns Hopkins University Baltimore, MD

Haptics Research

Mentored Adam Bercu, a high school student, in haptics research.

Teaching Assistant

January - May 2006 Johns Hopkins University Baltimore, MD

Design and Analysis of Dynamic Systems Primary Instructy: Dr. Allison Okamura Conducted bimonthly Problem Solving Sessions along with graded and wrote up solutions to problem sets and weekly held TA office hours.

#### **High School Student Mentor**

January - May 2006 Johns Hopkins University Baltimore, MD

Haptic Museum Display

Mentored Jennifer Lee, a Garrison Forest High School student, in the creation of an educational haptic device to be displayed in a museum.

#### **Academic Tutor**

September 2002 - May 2003 University of Pennsylvania Philadelphia, PA

Tutor

Tutored students in Calculus I, II, and Hebrew.

#### AWARDS/ ACHIEVEMENTS

NSF Graduate Research Fellowship	2006 - 2009
Dean's Fellowship	2004 - 2009
Jacob M. Abel Undergraduate Summer Research Internship	Summer 2003
John & Lillian Neff Scholarship	2000 - 2004

#### Conference Publications

N. Gurari and A. M. Okamura, *Human Performance in a Knob-Turning Task*. Second Joint Eurohaptics Conference and Symposium on Haptic Interfaces for Virtual Environment and Teleoperator Systems (World Haptics), 2007. (In Press)

K. J. Kuchenbecker, N. Gurari, and A. M. Okamura, *Quatifying the Value of Visual and Haptic Position Feedback During Force-Based Motion Control.* Second Joint Eurohaptics Conference and Symposium on Haptic Interfaces for Virtual Environment and Teleoperator Systems (World Haptics), 2007. (In Press)

#### Conference Presentations

Human Performance in a Knob-Turning Task. Second Joint Eurohaptics Conference and Symposium on Haptic Interfaces for Virtual Environment and Teleoperator Systems (World Haptics), Tsukuba, Japan, March 2007. (To Be Presented)

#### Invited

## Women of Whiting WISE Panel

PRESENTATIONS LECTURES Panel Speaker, October 19, 2006

Spoke to female high school students about how to apply and decide on a college.

#### Break Out Session Leader

Computer Mania Day Mentor, April 9, 2005

Taught middle schoolers about Haptics at the University of Maryland in Baltimore County.

#### Professional Activities

#### Leadership Activities

Panel Chair, Women of Whiting (WoW)	January 2007 - Present
Social Chair, Women of Whiting (WoW)	Fall 2006
Manager of Human Subjects Protocols, Haptic Exploration Lab	2006 - 2007
Demo Coordinator, Haptic Exploration Lab	2005 - 2006
Web Master, Haptic Exploration Lab	2004 - 2005
Sophomore Class Representative, Society of Bioengineering (SoBE)	2001 - 2002

#### **Technical Outreach Events**

Ready, Set, Design (http://www.jhu.edu/asme/readysetdesign) February 2006 Surgical Lego Competition February 2005 New Bike's Works Volunteer (http://www.neighborhoodbikeworks.org/) 2001 - 2002

#### Workshops Attended

JHU Teaching Assistant Training Workshops Spring 2006

#### Technical Reviews (with Advisor)

ICRA 2007 Eurohaptics 2006

#### Professional Memberships

Institute of Electrical and Electronics Engineers (IEEE) January 2006 - Present Women of Whiting, WoW September 2005 - Present CISSRS Student Computer Integrated Surgery Society 2004 - 2005 Pi Tau Sigma, Mechanical Engineering Honor Society April 2004 2001 - 2002 Society of Bioengineering (SoBE)

September 2004 - Present

# ACTIVITIES

Extracurricular JHU Capoeira Member, Instructor, Website Coordinator, and Leader

ASCAB Penn Capoeira, President 2002 - 2004 2002 - 2002 Club Swim Team Marathon Training Fall 2002 Scuba Diving Certification Fall 2001

Varsity Track Team March - May 2001 Varsity Gymnastics Team 2000 - 2001

#### Personal

#### • Contact Information

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