

Careers in Science Education and Outreach

Presented by Lori Conlan, PhD

OITE/NIH

Jan 19, 2012



SUGGESTED RESOURCES:

- a) Christine Mizarayan Fellowship
(<http://sites.nationalacademies.org/PGA/policyfellows/index.htm>)
- b) AAAS Science and Policy Fellowship (<http://fellowships.aaas.org/>)
- c) Presidential Management Fellowship Program (<https://www.pmf.opm.gov/>)
- d) Read “Art of Negotiation” by M. Taylor
- e) FDA Commissioner’s Fellowship Program
(<http://www.fda.gov/AboutFDA/WorkingatFDA/FellowshipInternshipGraduateFacultyPrograms/CommissionersFellowshipProgram/default.htm>)
- f) IRACDA Fellowship
(<http://www.nigms.nih.gov/Training/CareerDev/MOREInstRes.htm>)
- g) Chronicles of Higher Education (<http://chronicle.com/section/Jobs/61/>)
- h) Higher Ed Jobs (<http://www.higheredjobs.com/>)
- i) National Association for Science Teachers (<http://www.nsta.org/>)
- j) Career Exploration Counselors (https://www.training.nih.gov/career_services)
- k) “Science Faculty with Education Specialties” from Science Volume 322 p 1795- 1796

ARTICLES ON CAREERS IN EDUCATION:

NIH Career Symposia:

[2011 Career Symposium Synopsis](#)

[2010 Career Symposium Synopsis](#)

Also check Science/Nature/Chronicle of Higher Education

VOLUNTEER OPPORTUNITIES

Curriculum Fellows in our HMS BCMP department

(<http://curriculumfellows.hms.harvard.edu/>) that offer some Teaching prep

HMS Office for Diversity Inclusion and Community Partnership (<http://www.hms.harvard.edu/dcp/>) and their Educational Outreach Programs or (<http://www.mfdp.med.harvard.edu/k12/publications/index.html>).

The [Bok Center for Teaching and Learning](#) offers a variety of teacher training for graduate students. The services are for graduate teaching fellows, but they also have postdocs who focus on pedagogy. [This page](#) gives an overview of what they do.

[Science in the News \(SITN\)](#) is a fabulous student group that focuses on bringing science to the public. They produce an online publication (SITN Flash), present public lectures on “hot” science topics, and hold monthly “Science by the Pint” discussions with the public at a local pub.

Our student group, [Harvard Graduate Women in Science and Engineering \(HGWISE\)](#) focuses mostly on career and professional development and building community amongst Harvard women scientists, but they are also involved in science outreach in the community. Allison Nishitani (nishitan@fas.harvard.edu) is the new co-chair, and I’m sure she can give you more information about their outreach programs.

STANDING UP FOR SCIENCE WORKSHOP

Applications due: Jan 25

Workshop: Feb 10

Aim:

Standing up for Science workshops consist of a day-long series of interactive discussions designed to get early career researchers comfortable with speaking publicly about science. There will be 3 panels: 1) scientists with media experience, 2) journalists from a variety of journalistic media to provide perspectives on "a day in their life" and how scientists can help them to better communicate science to the public, 3) a university press officer and others currently engaged in "standing up for science" to offer practical guidance. The panelists will only offer brief remarks to spark conversation (no PowerPoint), so come prepared to offer your two-cents and actively participate!

This workshop will be the beginning of the Voice of Young Science (VoYS) USA network, an informal group of early-career scientists interested in active public engagement to promote science literacy and evidence-based decision-making. All workshop participants will be allowed to opt-out of joining VoYS USA. Otherwise, you're in! But there are no strings or commitments attached. VoYS works by individuals stepping up in the ways they choose, when they are able. Things that have already been accomplished by the international VoYS network include getting the WHO to release a statement against homeopathic treatments to combat life-threatening illnesses like HIV/AIDS and malaria (More about VoYS here: <http://www.senseaboutscience.org/pages/voys-campaigns-64.html>).

SPACE IS LIMITED!

Who attends:

Participants are all early-career researchers (defined as grad student, post-doc, or first job position)

Important dates:

Jan 25 - Application (CV/resume and brief cover letter) due to

international@senseaboutscience.org

Feb 10 - All-day workshop at the Broad Institute

Feel free to contact international@senseaboutscience.org with further questions.

Please also pass this along to others who might be interested.

STEM VOLUNTEER OPPORTUNITY, TIME TO INVENT CLUB

Innovation and invention are cornerstones of American society, but not all young people have role models to open doors in science, technology, engineering and math (STEM).

To help meet this need, WGBH (Boston's PBS station) and the Lemelson Foundation launched an exciting invention-based mentoring program called the Time to Invent Club in 2009. The program places STEM professionals and college students in afterschool sites once a week to co-lead an hour-long program. Working with a group of fifth graders, the mentors use a stepped-out curriculum that inspires underserved youth to explore invention. We are currently looking for volunteers to serve as mentors for an 8-10 week program beginning in February 2012 at afterschool sites in Massachusetts, Oregon, and Indiana. For more information, visit www.timetoinvent.org. If interested, please contact Liza Goldstein: liza_goldstein@wgbh.org or (617)-300-3642

VOLUNTEER WITH SCIENCE CLUB FOR GIRLS

Science Club for Girls just concluded another successful semester at our clubs in Boston, Cambridge, Fitchburg, Lawrence and Newton! With the help from over 80 volunteers we have been able to serve over 400 girls in these communities with STEM related after school programming.

We are gearing up for National Mentoring Month which is this January and is also the start of our Spring 2012 Semester. The Spring Volunteer Application is now open and we invite you to apply to volunteer with SCFG at our sites in Boston, Cambridge, Fitchburg, Lawrence and Newton. With your help and expertise we can provide the best programming for the girls to experience.

You can access the Spring Volunteer Application here.

<http://survey.constantcontact.com/survey/a07e58bjodlgul9jxhq/a01ikgxgx7dq0/greeting>

A Week in the Life of a(n)...

- 1- **ASSISTANT CHAIR:** Based on conversations with an assistant chair of a Neurobiology/Physiology department, it is their job to teach, administer and write small training grants. An assistant chair has a 60-70% administrative commitment to the department meaning that they are in charge of budgets, costs, reconciliation and program curriculum development. They also serve as a liason for the dean of the college or institution. There is a 30-40% commitment to training and career development including the recruiting of graduate students, curriculum development and freshman seminar orientations, and can teach an advanced scientific course. There is also some supervisory work required as they help volunteers and/or staff to meet the objectives of the budgets and expected outcome for a funded project.
- 2- **DEPARTMENT HEAD/PROFESSOR:** This Chemistry and Biochemistry Department Head stated that as a professor, he/she is involved with typical problems that occur in a laboratory (managing students, writing grants, submitting papers). In addition, on a weekly basis, he/she handles curriculum or class issues, teaches a core course, hosts activities for faculty, and meets with instructors to ensure that the classes and its standards are met.
- 3- **PROFESSOR/SCIENCE EDUCATION FACULTY:** A science faculty with an education specialty is a tenure-track position where a scientist takes on a specialized science education role within their discipline/research. They work with a network of social scientists, psychologists, and school teachers to determine the routes by which students learn about a specific science field. In such a position, you are in charge of teaching core classes, write and publish papers, engage in faculty meetings, write grants, manage projects, meet deadlines and handle a research group from a variety of fields (ranging from social science to basic science). There are many advantages and pitfalls to this career. Please search as a reference the article entitled “Science Faculty with Education Specialties” from Science Volume 322 p 1795- 1796.
- 4- **OUTREACH DIRECTOR:** Usually outreach director positions are positions that are created or custom-designed to meet the educational requirements of an institution. These positions are held by candidates that have a background in science and/or engineering, has been involved in teaching students in a classroom setting (strong background in education), writes grant proposals, and has strong administrative/management skills with an ability to organize large educational events.
- 5- **FULL-TIME INSTRUCTOR:** Jobs as an instructor in many science departments are few and far between, but the positions require that a person had a strong science background. Many are in charge of coordinating laboratories and teaching a number of general and core classes during the semester. Within the classroom

setting, the person should be approachable, knowledgeable, enthusiastic, creative, hard-working, and good with young people.

6- EXECUTIVE DIRECTOR OF TEACHER DEVELOPMENT PROGRAM:

Every week, this director is in charge of working with schools and teaching his personnel or professors on designing professional development opportunities. In addition, along with his team student assessment and orientation materials are developed. This director serves on a number of boards and committees including the National Science Foundation board of Science Education and Curriculum Development. He/she serves as the liaison for several states' examination boards and evaluates the scientific material covered in exams. Moreover, he/she develops grants to expand programs such as these in other US territories as well as European countries.

BOBA FETT, PH.D.
This is where my address should be
City, State, Zip Code
Phone (Work):XXX-XXX-XXXX
Cell Phone: YYY-YYY-YYYY
email@place.edu

EDUCATION: Washington University, St. Louis, MO
Major: Biology (Neuroscience)
Degree: Ph.D.
May, 2001

University of Texas at San Antonio, San Antonio, TX
Major: Biology
Degree: Masters of Science
August, 1994

University of Texas at San Antonio, San Antonio, TX
Major: Biology
Degree: Bachelors of Science
December, 1992

PROFESSIONAL EXPERIENCE:

August 2007 – present
Position: Assistant Dean for Graduate Student Recruitment

September 2001 – February 2007
Position: Postdoctoral Research Associate

June, 1995-August 2001
Position: Graduate Student (Ph.D.)

January, 1993 - August, 1994
Position: Masters Degree: Biology

June, 1991 - December, 1992
Position: Undergraduate Research Fellow

Summer 1992
Position: Undergraduate Research Apprentice

PUBLICATIONS

Someone else, **ME**, and Others. (2008) Article Title. Journal of a type of science. 283(4):1985-91.

Another Person, **ME**, and Three other persons (2002). Article Title. Journal Title. 118: 51-57

Someone, **ME**, and others (2001). Article Title. Journal Title. 436:17-31.

Another person, **ME**, and one other (2001). Chapter Title In: Book Title. Publishing Co.; City, State. pp 3-45.

Someone; **ME**, and two others (1995). Article Title. Journal Title 10:103-118.

ABSTRACTS

ME, and others. 2001 Abstract Title. Society for Neuroscience Abstract.

ME, and two others. 2001. Abstract Title. Society for Neuroscience Abstract.

Someone else, **ME**, and two more. 2000. Abstract Title. Society for Neuroscience Abstract.

ME, and three more. 1998. Abstract Title. Society for Neuroscience Abstract.

Someone, **ME**, and two others. 1998. Abstract Title. Society for Neuroscience Abstract.

Someone, **ME** and three more people. 1998. Abstract Title. 9th Annual Spring Brain Conference.

ME, and four others. 1997. Abstract Title. Society for Neuroscience Abstract.

Someone, **ME**, and five others. 1997. Abstract Title. Research Workshop of the Israel Science Foundation and Zlotowski Center for Neuroscience.

ME, and two others. 1996. Abstract Title. Society for Neuroscience Abstract.

ME and someone else. 1995. Abstract Title. Society for Neuroscience Abstract.

ME, and two others. 1992. Abstract Title. Society for Neuroscience Abstract.

Other Publications and Presentations:

ME. 1994. Possible role of the NMDA receptor in dendritic development of dentate granule cells. Masters thesis. University of Texas at San Antonio.

ME. 1994. The effects CPP on dendritic morphology during late postnatal development. MBRS/MARC/MHSSRAP /HHMI/NSF-RIMI Symposium.

ME, and two more. 1993. Dendritic growth in mature granule neurons in the rat dentate gyrus. MBRS/MARC/MHSSRAP/HHMI/NSF-RIMI Regional Symposium.

TEACHING AND OUTREACH

June 2010	Keynote Speaker Education Sunday, XX Church, State
August 2010	Keynote Speaker Education Sunday, XX Church , State
April 2008, 2009	Guest Speaker, Student Creative Arts and Research Symposium, XX University
November 2007, 2008 Institution	Lecturer: Neuroscience; Physical Therapy Program, YY
May 2006, March 2005,	Career Role Model: XY Public Schools
January 2006 – Present	Director, Media Ministries, XX Church
November 2005 – present	Secretary: Executive Council Postdoctoral Association XX University School of Medicine
September 2002 – 2005	Member at large, Executive Council: XX University Postdoctoral Association
January 2002 – 2007	Co-Chair XX Scholarship Committee
March 2002 – 2007	Director Broadcast Ministries, XX Church
November 2001 – 2007	Chair, Education Committee, XX Church
January 2001 – 2007	Co-Chair, Scholarship Committee, XX Church
Summer 1999 – 2001	Student Mentor: Young Scientist Program
October 1996 – 2000	Neuroscience Outreach: XY School District
February 1995, 1996	Hands on Neuroscience (Outreach program to XY schools)
March 1993, 1994	Career Speaker and Program Coordinator - XY Academy
March 1992 - 1994	Expanding Your Horizons in Science and Mathematics
November 1992, 1993	Presidential Progressive Tour (University of XX)

AWARDS AND FELLOWSHIPS:

1997 – 1999	National Research Service Award Pre-Doctoral Fellowship
1994 -1999	Chancellor's Fellowship, XX University
1993-1994	Minority Biomedical Research Support Scholar

1992-1993	NASA/ XX Space Grant Consortium Undergraduate Scholar
1992	Undergraduate Research Apprentice, XX University
1991-1993	Minority Access to Research Careers Scholar
1989	Harry and Devera Lerman Educational Trust Scholarship

INSTITUTIONAL SERVICE

Admissions and Distribution Committee

Integrated Multidisciplinary Graduate Program
The University of **XX** Health Science Center, **City, State**

August 2007 – present

XX Institute Recruitment and Retention Committee

The University of **XX** Health Science Center, **City, State**
November 2007 – present

XX Institute for Longevity and Aging Studies

Internal Selection and Steering Committee
The University of **XX** Health Science Center, **City, State**
May 2008 – present

Med Ed Initiative (City, State)

The University of **XX** Health Science Center, **City, State**
February 2008 – present

LEADERSHIP TRAINING

SACNAS Leadership Institute

July 2010
Society for the Advancement of Native Americans and Latinos in the Sciences
City, State

LEAD Institute

April - November 2008
The University of **XX** Health Science Center, **City, State**

Created by Dr. Idalis Villanueva, OITE Intern, for Dr. Lori Conlan (Presenter)

SACNAS Leadership Workshop

October 2008

Society for the Advancement of Native Americans and Latinos in the Sciences

City, State

AD HOC REVIEWER FOR:

Cerebral Cortex

Somatosensory and Motor Research

Society for the Advancement of Native Americans and Latinos in the Sciences

Annual Biomedical Research Conference for Minority Students

Luke Skywalker, Ph.D.

Address

City, State Zip Code

Evening Phone: XXX-XXX-XXXX

Mobile: XXX-XXX-XXXX

Email: name@email.com

WORK EXPERIENCE

1- National Institutes of Health, **City, State** 3/2006-Present

Salary: **XX** amount Per Year

Hours per week: 40

Science Education Specialist

Involved in the development, review, and dissemination of educational resources supported by **(information deleted)**.

Manage **XX** Day Programs including the Ambassadors Program, annual online **XX** Day Chatroom and the **XX** Day Small Awards Program.

Management of **(Science Field)** Career Website.

Supervised the development of a website designed to highlight careers in **(YY scientific fields)** for the pre-college and undergraduate target audience.

Expanded the **XX Institute** educational programming and outreach to local and national secondary schools and institutions of higher education. Programs include the **Person** Day Celebration (**200X** partnerships with the Smithsonian Institution's National Museum of Natural History), the Family Academic Conference (current partnership with **XX** University Center for Talented Youth), and classroom visits to local high schools and middle schools.

Coordinated the Current Topics in **XX Field** Short Course (**200X**). Oversight and management of program and direct point of contact for participants.

2- **XX** University School of Medicine **YY** Field Center, **City, State**

8/2003 - 3/2006

Salary: **XX** USD Per Year

Hours per week: 40

Director of Outreach and Research Instructor in Genetics

Developed programming and disseminated educational materials related to **YY field** locally and nationally.

Directed the Centers outreach efforts and managed outreach staff and departmental budget.

Coordinated the development of the Health Sciences Community Outreach Website, **XX** University School of Medicine, **City, State**.

Led effort to develop the Health Sciences Outreach website (**website information deleted**).

Script writer and producer for video tour of **YY Field** Center at the **XX** University School of Medicine, **City, State**.

Conceptualized and developed script and accompanying curricular materials for **YY Field** sciences teaching video (**website information deleted**).

3- **XX** University Department of Education, **City, State**

8/2001 - 9/2003

Salary: **XX** USD Per Year

Hours per week: 40

Research Associate

Developed and instructed undergraduate courses in education and conducted science education research in local high school.

Worked with local teachers and administrators in the development of written manuscripts relative to classroom research.

4- Quality Education for Minorities Network, **City, State**

3/2000 - 8/2001

Salary: **XX** USD Per Year

Hours per week: 40
Project Associate

Oversaw **(Company Name)** Fund/**(Name)** Network Seamless Partnership Project based in **City, State**.

Established and conducted local quarterly advisory committee composed of parents, school administrators, educators, and community members.

Developed and conducted mathematics and science workshops for grades 6-12.

Pre-College Coordinator, **XX** Summer High School Apprenticeship Research Program.

The **(Name)** Network administered the previous program for **XX's** Education Division. Duties included selection and subsequent placement of accepted applicants; site visits; coordination of on-site activities; liaison for universities, applicants, and **XX** personnel; and editing participant's research abstracts for electronic publication.

5- **XX** University School of Medicine, **City, State**

9/1997 - 3/2000
Salary: **XX** USD Per Year
Hours per week: 40
Post Doctoral Fellow

Conducted research focused on the interactions between Gram-positive bacterium *Streptococcus pyogenes* and skin cells and regulation of virulence factors.

Developed and wrote manuscripts relative to the research.

EDUCATION

1-University of **XX, City, State**

Doctorate, 8/1997
Major: Biology

2-University of **XX, City, State**

Bachelor's Degree, 12/1990
Major: Microbiology

PROFESSIONAL PUBLICATIONS

ME and someone else. (2008). **Article Title.** National Science Teachers Association Regional Conference.

ME and someone else. (2007). **Article Title.** National Science Teachers Association Regional Conference.

First Author and ME. (2006). **Article Title.** National Science Teachers Association Regional Conference.

First Author and ME. (2006). **Article Title.** National Association of Biology Teachers Annual Conference.

First Author, ME, and seven other authors. (2005). **Article Title.** Cell Biology Education.

ME and someone else. (2005). **Article Title.** American Association for the Advancement of Science National Convention.

ME and two other authors. (2005). **Article Title.** 6th Annual AGBT/AMS Meeting Marco Island.

First Author and ME. (2004). **Article Title.** National Association of Biology Teachers.

ME. (2003). **Article Title.** 2nd International Conference on Language, Culture, and Cognition.

Four authors and ME. (2002). **Article Title.** American Educational research Association Annual Meeting, **City, State.**

ME. (2002). **Article Title.** National Council of Teachers of English Assembly for Research 2002 Midwinter Conference, **City, State.**

Book Chapter. (2001) Quality Education for Minorities Network.

ME and two others. (1998). **Article Title.** Journal of Bacteriology.

ME and two others. (1997). **Article Title.** Journal of Bacteriology.

First Author, ME and two others. (1996). **Article Title.** Journal of Bacteriology.

First Author, Second Author, ME, and two other authors. (1995). **Article Title.** Journal of Bacteriology.

ME and two others. (1995). **Abstract Title.** Gordon Research Conference, **City, State.**

First Author, ME and someone else. (1994). **Abstract Title.** Plasmid Biology Meeting, **Country outside US.**

Book Chapter Title. (2006). **Someone else,** Editor.

Another Book Chapter Title. (2006). **Someone else,** Editor.

C3PO, Ph.D.

Department of **XX**

XX University

City, State Zip Code

email@emailaddress.com

CURRENT APPOINTMENTS

XX University, City, State

Assistant Chair, Department of XX (8/2007 – present)

Director of MS Program, Department of XX (8/2007 – present)

Director of Career Development & Training, Center for XX & XX Biology (9/2009 – present)

EDUCATION AND TRAINING

Science Magazine (American Association for the Advancement of Science)

City, State

Program Manager (5/2005 – 7/2007)

The XX Institute for Biological Studies, City, State

Post-doctoral Fellow, XX Neurobiology, Dr. XX, PI (9/2002 – 5/2005)

The University of XX, City, State

Ph.D., XX Neuroscience, Dr. XX, PI (12/2001)

The College of XX, City, State

B.A, XX (Honors) (5/1993)

TEACHING EXPERIENCE

XX University City, State

Human Anatomy and Physiology

Neural Basis of Behavior

Advanced Neurobiology and Physiology

Health, Metabolism, and Obesity

University of XX, City, State

Sensation and Perception

Introduction to Psychology

Statistical Methods for Psychological Research

Academic & Professional Services

XX University, City, State

XX Training Series (8/2007 – present)

- Co-director of interdepartmental training series, focused on delivering professional development skills

- Develop seminars on managing, leadership, & mentoring in the laboratory environment
- Faculty co-advisor to graduate student & postdocs Seminar Group

Residential College System

- Assistant Master, XX Residential College (9/2009 – present)
- Faculty Advisor, XX (9/2009 – present)
- Faculty Fellow (8/2008 – 9/2009)

One Book One Northwestern Committee (5/2008 – 3/2009)

- Chair Website Committee – lead the development and management of program website, (website name deleted)
- Develop online teaching resources and activities aimed to elucidate basic principles of Evolution, Natural Selection, and the works of Darwin

National Postdoctoral Association City, State

Board of Directors (2010 – present)

The XX Institute, City, State

Society of Research Fellows (1/2002 – 5/2005)

University of XX, City, State

“What can you do with a Ph.D. in XX Sciences?” (10/2009)

- Co-founded seminar series, ascertained funding for programming, and recruited speakers and panelists
- Partnered with departmental and program directors to identify career training topics and goals
- Marketed and promoted events, co-managed seminar website (renamed XX Sciences Career Seminar, website name deleted)

INVITED SEMINARS AND PRESENTATIONS

XX Conference, XX University Health Sciences XX City (2010)

XX University Training Grant Director’s Meeting, IDP Integration City, State (2009)

Medical College of XX, Grant Writing City, State (2009)

National Center for Supercomputing Application (Keynote speaker) City, State (2008)

Science Podcast (Jul 27 2007, link), Guest on Writing Grants Washington, DC (2007)

NC 6th Annual OptED Conference, Featured Speaker, City, State (2007)

LifeSciences2007/British Pharmacological Society, Publishing (co-produced) City, Country (2007)

LifeSciences2007/British Pharmacological Society, Grant Writing (co-produced) City, Country (2007)

XX University/Boyce Thompson Plant Institute Career Day, Keynote Speaker, City, State (2007)

University of XX XX symposium, Featured Speaker, City, State (2007)

University of **XX** Funding Your Research Symposium, Keynote Speaker, **City, State** (2007)
XX University Funding Your Research Symposium, Keynote Speaker, **City, State** (2007)
Institute/NIH Graduate Partnership Program Career Symposium, Featured Speaker NIH Campus (2007)
XX University **XX** Department Career Symposium, Featured Speaker, **City, State** (2007)
Laboratory Management Course (co-produced with **XX** University) **City, State** (2006)
Lake Effects (WUWM/NPR 89.7), Careers in Science, guest interviewee **City, State** (2006)
Upper Midwest Graduate & Postdoc Career Symposium, Plenary Lecture **City, State** (2006)
Science2006 (University of **XX**) **City, State** (2006)
Laboratory Management Course (co-produced with **XX** regional schools) **City, State** (2006)
University of **XX** Symposium on Postdoctoral Diversity, Featured Speaker, **City, State** (2006)
NIH Research Festival/Job Fair, Keynote Presenter NIH Campus (2006)
National Cancer Institute Research Fellow Retreat, Guest Panelist NIH/NCI Retreat (2006)
Rockville Economic Development Postdoc Symposium, Plenary Lecture NIH Campus (2006)
NIH Research Festival/Job Fair, Keynote Presenter NIH Campus (2005)

PUBLICATIONS

First Author, ME and another author. (2009). Article Title. Vision Research.
ME. (Managing Editor) (2007). Article Title. AAAS/Science
ME. (2005). Title. *Science's* ScienceCareer.org, (non-refereed publication)
ME and another author (2005). Article Title. Society for Neuroscience Abstracts.
First Author, ME and another author (2004). Article Title. Society for Neuroscience Abstracts.
First Author, ME and another author. (2004). Article Title. Visual Sciences Society.
ME and another author. (2003). Article Title. Society for Neuroscience Abstract.
ME and another author. (2003). Article Title. Visual Sciences Society.
ME and another author. (2003). Article Title. Behavioral Brain Research.
First author and ME. (2002). Article Title. Experimental Brain Research.
First author and ME. (2002). Article Title. Progress in Brain Research. In: Book Name. **XX**: Academic Press.
ME and another author. (2001). Article Title. Neuroscience Letters.
First author and ME. (2001). Article Title. European Journal of Neuroscience.
ME, second author, third author. (2000). Article Title. Society for Neuroscience Abstracts.
ME and another author. (2000). Article Title. Society for Neuroscience Abstracts.
ME and another author. (1999). Article Title. Society for Neuroscience Abstracts.
First author and ME (1999). Title. In: Book Name, **XX**: Academic Press.
Two authors, ME and two authors. (1998). Article Title. Optical Society of America: OSA Abstracts.
Two authors, ME, and another author. (1998). Article Title. Optical Society of America: OSA Abstracts.
Two authors, ME, and another author. (1998). Article Title. Vision Research.
ME, and three authors. (1998). Article Title. Vision Research.
ME and three authors. (1997). Article Title. ARVO Abstracts.

Obi Wan Kenobi, Ph.D.

CURRICULUM VITAE

Education

1983 XX STATE UNIVERSITY

Ph.D., Analytical Chemistry

1977 XX COLLEGE

Bachelor of Science – Chemistry

Professional Experience

XX INSTITUTE FOR SCIENCE EDUCATION (MISE), XX, City, State

Director, Education Outreach (2003 – Present)

Coordinate programs to further establish the **XX** Institute as a catalyst for reform of grades K - 12 science and mathematics education. Activities are focused on 1) implementation and maintenance of the Institute's science and technology education reform initiatives in targeted school districts. 2) the recruitment, organization, and training of active and retired **XX** employee volunteers; 3) development and implementation of programs for **XX** volunteers to utilize in classrooms; 4) managing the operation of the MISE **XX** Resource Center and its staff in support of volunteers, educators, parents, and school administrators; and 5) providing computer and technical expertise to the Institute staff and evaluating new technologies to meet their needs.

Developed, planned, and implemented multiple Family Science Day events annually at **XX** sites in

5 cities with 100% positive ratings obtained from surveys.

Trained and coached **XX** employee volunteers in program development and implementation of Family Science nights in partnership district schools.

Discussed volunteer outreach opportunities with school district administrators and university outreach program coordinators to identify programs for employee involvement in local science education initiatives such as classroom presentations, science fair judging, STARLAB presentations, and inquiry based science education activities.

Trained volunteers on the setup and presentation of many inquiry-based, hands-on science activity modules and the STARLAB portable planetarium unit.

Coordinated MISE's participation of 300+ telementors the International Telementor program from **XX**'s national sites.

Manager, Education Outreach (1998 – 2002)

Developed, planned and implemented volunteer programs for **XX** employees and events for employee

families at **XX**'s **YY** and **ZZ** sites, including recruitment, organization and training activities. Managed

the operation of the MISE Resource Center in **YY**. Provided computer support and technical

recommendation to the Institute staff. Designed and implemented the Institute's science reform initiatives

in targeted school districts.

Coordinated and implemented multiple Family Science Day events annually at **XX**'s **two main** sites.

Recruited and trained **XX** employee volunteers to support Family Science events and school partnership activities.

Worked with MISE staff to obtain content and design recommendations for the MISE intranet and internet web sites.

Trained teachers on the integration of computer technology in the classroom. Acted as a content specialist and instructional team member in the partnership school district's Peer Teacher Workshops

for three consecutive years. Coordinated MISE's participation as a sponsor of the International

Telementor Center's national mentor program to link middle and high school students with **XX**

employees. Met with administrators in all of the MISE partnership districts in **YY** and **ZZ** to discuss

the focus and goals of the telementor program such that students from the partnership schools may participate.

Established a procedure for the donation of outdated **XX** computer and research equipment in West

XY to non-profit schools and organizations. Hundreds of systems were placed at various educational and human service organizations.

Assisted Institute staff with technology needs by developing and utilizing MS Access databases for support of the Peer Teacher Workshops and other MISE programs.

XX & Co., Inc., City, State

Project Manager, Applications Development (1982 – 1998)

Developed and delivered systems which automated data collection, processing and storage for the vaccine business as well as the virology departments.

Selected Publications

Facilitator Guides for Family Science Day Activities in Astronomy, Life Science, Forensic Science and

Physical Science, 2001 - Present

"Automated Pressure-Volume Loop Determinations of Cardiac Left Ventricular Function", **ME and three more authors**. Medical Electronics, 1990

"Extending the Linear Dynamic Range in Flameless Atomic Absorption using a Photodiode Array

Detector", **ME**, 1983

Affiliations

2004 – 2008 Foundation for Family Science, Board Member and President (2007 – 2008)

2002 – 2006 Liberty Science Center Corporate Membership Roundtable

1998 – Present National Science Teachers Association

1995 – Present **XX** Valley Science Fairs, Inc. – Chairman, Board of Trustees since 2000

Princess Leia, Ph.D.

Biochemistry, (**Name Deleted**) Science Institute
University Name
City, State Zip Code
Phone XXX-XXX-XXXX; Fax XXX-XXX-XXXX
name@institution.edu

EDUCATION

Ph.D. Neuroscience, University of **XX**, State (1999)
B.A. Biology, **XX** College, **City, State** (1993)

PROFESSIONAL APPOINTMENTS

Associate Professor, 2009-present, Assistant Professor, 2005-2009, Department of Biochemistry, **University Name**.

Adjunct Assistant Professor, Department of Agricultural and Extension Education, 2007 to present.

Outreach Director, (**Name Deleted**) Center, **University Name**. 2002 to present.

Director, BIOTECH Project, University of **XX**. 1999 to 2001.

PRE-COLLEGE EDUCATION AND OUTREACH EXPERIENCE

- Principal Investigator, Partnership for Research and Education in **XX topic**. Nationwide student-teacher-scientist partnership through which teachers and scientists mentor high school students to design and conduct experiments that help characterize the functions of genes in (**host name deleted**). Funded by (**Institute Name Deleted**). **University Name**, 2002-present.
- Disseminator, High School **XX Field** Project. Student-teacher-scientist partnership through which teachers guide students about (**XX field**), which are made available to the scientific community via the **XX Field** database. Funded by the (**two institution names are deleted**) and University of **XX** at **YY**. 2004-2006.
- Disseminator, (**NAME?**) Project. A program through which middle and high school students learn standards-based concepts in life science while engaging in hands-on, problem-based (**XX science field**) laboratory activities. Funded by the (**Institution Name**). University of **XX, City, State**. 1999-2001.
- Scientist-Facilitator, Women's (**Name?**) Project. After-school science club for middle school girls. Funded by the (**Institute Name**), 1995-1997.

Journal Articles in Education Research and Outreach:

1. **ME, Second Author. Article title.** (under review)
2. **First Author, ME, Third Author** (in press). **Article Title.** Journal of Agricultural Education.
3. **ME, Second Author.** (2010). **Article Title.** Journal of Science Teacher Education.
4. **ME, Second Author.** (2009). **Article Title.** Journal of Science Education and Technology.
5. **ME and three other authors.** (2008). **Article Title.** The Science Teacher.
6. **ME.** (2007). **Article Title.** CBE – Life Sciences Education
7. **Three authors and ME.** (2007). **Article Title.** Plant Cell.
8. **ME and Second Author.** (2005). **Article Title.** CBE - Life Sciences Education.
9. **ME and four other authors.** (2004). **Article Title.** Genetics.
10. **First Author, ME, Third Author.** (1998). **Article Title.** CSTA Journal.

Monographs and Book Chapters:

1. **ME.** 2008. **Book Title.** Springer: New York.
2. **ME and three authors.** (in press). **Monograph Title. (names of three editors).**
3. **ME and two other authors.** (in press). **Monograph Title. (names of three editors).**

Essays and Reviews:

1. **ME and someone else. Title.** CBE – Life Sciences Education.
2. **ME and someone else. Title.** CBE – Life Sciences Education.
3. **ME and someone else. Title.** CBE – Life Sciences Education.
4. **ME and someone else. Title.** CBE – Life Sciences Education.
5. **ME and someone else. Title.** CBE – Life Sciences Education.
6. **ME and someone else. Title.** CBE – Life Sciences Education.
7. **ME and someone else. Title.** CBE – Life Sciences Education.
8. **ME and someone else. Title.** CBE – Life Sciences Education.
9. **ME and someone else. Title.** CBE – Life Sciences Education.
10. **ME and someone else. Title.** CBE – Life Sciences Education.

Conference Papers:

1. **First Author, ME.** (2010). **Article Title.** National Association for Research in Science Teaching Annual Conference.
2. **First Author, ME, Third Author** (2009). **Article Title.** National Association for Research in Science Teaching Annual Conference.
3. **First Author, ME** (2008). **Article Title.** National Association for Research in Science Teaching Annual Conference.
4. **Three authors and ME** (2008). **Article Title.** International Objective Measurement Workshop.
5. **ME and two other authors** (2007). **Article Title.** National Association for Research in Science Teaching Annual Conference.
6. **ME** (2006). **Article Title.** American Society for Biochemistry and Molecular Biology FASEB Journal 20, A1311.
7. **ME** (2004). **Article Title.** Conference on K-12 Outreach from University Science Departments, Raleigh NC.

8. **ME** (2003). **Article Title**. Conference on K-12 Outreach from University Science Departments, Raleigh NC.

Science Publications:

1. **Three authors, ME, four authors** (2002). **Article Title**. Neuron.
2. **ME, two authors** (2001). **Article Title**. Proceedings of the National Academy of Sciences.
3. **First author, ME, two authors** (2000). **Article Title**. Molecular and Cellular Biology.
4. **ME and three authors** (1999). **Article Title**. Development.
5. **First author, ME, three authors** (1998). **Article Title**. Comparative Biochemistry and Physiology.
6. **Three authors, ME, another author** (1996). **Article Title**. Journal of Comparative Neurology.
7. **First author, ME, two more authors** (1995). **Article Title**. Nature.

GRANTS, FELLOWSHIPS, AND AWARDS

Grants – Active: [Total = **\$X,XXX,XXX**]

- Principal investigator, **Proposal Name**, NIH National Center for Research Resources - Science Education Partnership Award, 2009-2013, amount used (**\$X,XXX,XXX**).
- Principal investigator, **Proposal Name**, NSF Division of Undergraduate Education, Course, Curriculum, and Lab Improvement, 2007-2010, **\$XXX,XXX**.
- Principal investigator, **Proposal Name**, American Society of Plant Biologists Education Foundation Grant Awards Program, 2007-2009, **\$XX,XXX**.
- Principal investigator, Partnership for Research and Education in Plants, NIH National Center for Research Resources - Science Education Partnership Award, 2003-2009, **\$X,XXX,XXX**.
- Collaborator, Biology Education Network Collaborative, American Association for the Advancement of Science (AAAS), 2005-2010, **\$XXX,XXX**.

Grants – Completed: [Total = **\$XXX,XXX**]

- Co-PI, 2010 Project: **Project Name**, NSF Department of Biological Infrastructure, 2004-2009, **\$XXX,XXX**.
- Co-PI, **Project Name**, NSF Division of Molecular and Cellular Biosciences, Metabolic Biochemistry, 2005-2009, **\$XX,XXX**.
- Principal investigator, (**NAME deleted**) Web Site, NIH National Center for Research Resources - Science Education Partnership Award, 2004-2008, **\$XXX,XXX**.
- Principal Investigator, National Science Foundation **Project Name** 7/15/01-7/14/02, **\$XX,XXX**.
- Principal Investigator, Arizona Board of Regents Eisenhower Mathematics and Science Education Act: **Project Name**, 6/1/01-5/31/02, **\$XX,XXX**.

Fellowships:

- American Heart Association Pre-doctoral Fellowship, 1997-1999
- University of California Regents Pre-doctoral Fellowship, 1995-1997
- Achievement Rewards for College Scientists Scholarship, Byers' Fellow, 1995-1996

Awards:

- National Science Foundation Graduate Fellowship, Honorable Mention, 1994
- Graduated cum laude with distinction in the major, Wellesley College, 1993
- Virginia Fiske Recognition in Teaching Award, Wellesley College, 1993

TEACHER PROFESSIONAL DEVELOPMENT EXPERIENCE

- Coordinator, (**Science Field Educational Conference Name Deleted**). Three and a half day professional development event on (**XX science fields**) that attracts a national audience of high school and college faculty. 2002-2005, 2007.
- Instructor, (**Science Field XX Professional Development**). Professional development sessions for (**STATE omitted**) high school (**XX science fields**) teachers interested in using (**Project Name**) materials in their classrooms. 2002-present.
- Instructor, **XX Project Professional Development**. Professional development sessions for (**STATE omitted**) middle and high school biology teachers interested in using (**Project Name**) Project materials in their classrooms. 1999-2001.
- Facilitator, **XX Project**. Late elementary and secondary science teacher professional development program in (**XX science field**). Funded by NIH NCRR SEPA. Science and Health Education Partnership at University of California, San Francisco, 1995-1998.
- Scientist-Leader, City Science Summer Institute. Elementary science teacher professional development program. Funded by National Science Foundation (NSF) Local Systemic Change Initiative. UCSF SEP, 1996-1998.
- Facilitator, Drug Abuse Research Team Program. High school science teacher professional development program on the science of drug abuse and addiction. Funded by NIH Science Education Drug Abuse Partnership Award. **XX County School District, STATE**, 1998.

TEACHER EDUCATION EXPERIENCE [COURSES]

- Contemporary Pedagogy (GRAD 51**XX**), **XX Tech**, 2005.
- Graduate Course in (**XX science field**) for Teachers University of **XX**, 2000.
- Graduate Topics in (**XX science field**) Teaching: **Course Name** University of **XX**, 1999.
- **Scientific Topic Name**, **XX Academy of Sciences**, Adult Education Program, 1998.

OTHER UNDERGRADUATE / GRADUATE TEACHING EXPERIENCE

- Introduction to Biochemistry (BCHM 10**XX**), **XX Tech**, 2008, 2009.
- Protein and Nucleic Acid Biochemistry (BCHM 50**XX**), **XX Tech**, 2006, 2007, 2008.
- Biotechnology Applications (BCHM/BIOL 47**XX**), **XX Tech**, 2006, 2007, 2008.
- Undergraduate Course, Science Connection University of **XX**, 2000.
- Neuroscience for Pharmacy Students University of **XX** at **XX**, 1995-1998.

OTHER PROFESSIONAL ACTIVITIES

Selected Conference Presentations:

- **First author, ME. Presentation Title.** Science Teacher Educators 2010 International Conference, **XX**, 2010.

- **Two authors, ME. Presentation Title.** Poster Presentation. Plant Biology 2009.
- **Two authors, ME. Presentation Title.** Poster Presentation, National Association for Research in Science Teaching Annual Meeting, 2007.
- **Two authors, ME. Presentation Title.** Association of Science Teacher Educators 2007 International Conference.
- **Two authors, ME. Presentation Title.** School Science and Mathematics Association Annual Convention, 2006.
- **ME and two authors. Presentation Title.** National Association of Biology Teachers Meeting, 2003.
- **ME. Presentation Title.** National Consortium of Specialized Secondary Schools in Science, Mathematics & Technology Conference, 2002.
- **ME. Presentation Title.** National Consortium of Specialized, Secondary Schools in Science, Mathematics, and Technology Conference, 2002.
- **ME. Presentation Title.** National Association of Biology Teachers Meeting, 2002.
- **ME. Presentation Title. (XX State)** Association of Science Teachers, 2002.

Invited Presentations:

- **Presentation Title.** American Society for Biochemistry and Molecular Biology, 2009.
- **Presentation Title.** Plant Biology 2009.
- **Presentation Title.** Plant Biology 2009.
- **Presentation Title.** Plant Biology 2008.
- **Presentation Title.** Howard Hughes Medical Institute, 2007.
- **Presentation Title.** Women in Engineering Summer Academy, 2005, 2006.
- **Presentation Title.** Institute for Advanced Learning and Research, 2005.
- **Presentation Title.** Howard Hughes Medical Institute, 2004.
- **Presentation Title.** Ferrum College, 2004.
- **Presentation Title.** XX State University, 2004.
- **Presentation Title.** Central Virginia Governor's School, 2003.
- **Presentation Title.** XX State University, 2003.
- **Presentation Title.** XX Biotechnology Association Biotechnology Summit, 2003, 2002

Reviewer:

- Ad hoc manuscript reviewer: Science (Education Forum), PLoS Biology (Community Pages), Journal of STEM Education, Journal of Women and Minorities in Science and Engineering.
- Member of site visit team, National Science Foundation (NSF) Advanced Technological Education, 2009.
- NSF Discovery Research K-12, 2010.
- NSF Research and Evaluation of Education in Science and Engineering, 2009.
- NSF Math Science Partnership Program, 2008, 2009 (chair).
- NSF Course, Curriculum, and Laboratory Improvement Program, 2008 (chair), 2009 (chair).
- National Association for Research in Science Teaching: Proposals for annual conference, 2001, 2002, 2005-2009.
- NIH Small Business Innovation Research, Biobehavioral and Behavioral Processes, 2005, 2007-2009-2010.

- Howard Hughes Medical Institute Precollege Outreach Initiative for Biomedical Research Institution, 2006.
- American Educational Research Association: Proposals in Brain, Neurosciences, and Education, 2005, 2006.
- NIH National Institute for Environmental Health and Safety, Division of Extramural Research and Training, 2004.
- NIH National Center for Research Resources, Science Education Partnership Award, 2004, 2005.
- U.S. Department of Agriculture, Higher Education Challenge Grants, 2002.

Boards and Committees:

- Editor-in-Chief elect (five year term to start August 2010), Editorial Board member (2003-present), and author of feature titles (**Names omitted**) (2007-present), American Society for Cell Biology online journal.
- Chair, Education Committee, American Society of Plant Biologists, 2009 to present, member, 2007-present.
- Education Foundation, American Society of Plant Biologists, 2009 to present.
- Co-director, Science Education Research to Publishing Institute, Biology Scholars Program, American Society of Microbiology, 2008-present.
- Advisory Board Member, PlantingScience.org, 2008-present.
- Strand 2 Co-coordinator (Science Learning: Contexts, Characteristics, and Interactions), Annual meeting of the National Association for Research in Science Teaching, 2008-2010.
- Research Advisory Board, Child Development Center for Learning and Research, **XX** Tech, 2005 to present.
- Advisory Board, Increasing the Representation of Women in STEM via a New Interdisciplinary Engineering Program at a Liberal Arts Women's College (**Name omitted**), 2006-2008.
- President, National Association for Health & Science Education Partnerships, 2006 to 2008; Executive Board, 2004 to 2008.
- Professional Development Committee, National Association of Biology Teachers, 2005 to 2008.
- Coordinator, **XX** Tech Science, Technology, Engineering, and Mathematics K-12 Outreach Initiative, 2004-2006.
- Chair, **XX** Tech Sigma Xi Teaching Award Committee, 2004, 2005.

Evaluator:

- Pre-Ph.D. Scholar Program, **XX** University, PI: Edison Fowlks. Howard Hughes Medical Institute, 2008-2012.
- Molecules of Life curriculum development program, NSF Advanced Technology Education Program grant (PI: **Name omitted**), 2004.
- 2004 National Science Foundation Institute on Evaluation Participant, The Evaluation Center, **XX** University.
- Teacher Internships in Plant Genomics, NSF supplement to a Plant Genome Research Program grant (PIs: **Names and information omitted**), 2001.

Consulting:

- “Broader Impacts” advising for scientists seeking NSF funding, 2002-present.
- Grant proposal writing, **XX** Corporation, **State**, 2005-2006.
- Science education editing, **XX** Publishing Ltd., 2004-2006.
- Science education editing, **XX** Reference Group, 2003-2005.
- Education Development Center **XX**, 2000-2002.

Professional Memberships:

- American Society for Cell Biology (ASCB).
- American Society of Plant Biologists (ASPB)
- National Association of Biology Teachers (NABT)
- National Association for Research in Science Teaching (NARST)

Jar-Jar Binks, Ph.D.

Address Goes Here
Phone Number Goes Here
e-mail: email@email.com

PROFFESIONAL

Fall, 2007 – Current: Instructor, Department of XX and XX Engineering, University of XX.

Spring, 2007: Lecturer, Department of XX and XX Engineering, University of XX.

October 2005 – Spring 2007: Senior Research Associate, Department of XX and XX Engineering, University of XX.

EDUCATION

University of XX. Doctor of Philosophy in XX and XX Engineering. Defense completed in April, 2005. GPA: XXX/4.00.

University of XX. Master of Science in XX Engineering. December 2001. GPA: XXX/4.00.

University of XX. Bachelor of Science in XX Engineering with High Distinction. May 1999. GPA: XXX/4.00.

GRADUATE RESEARCH EXPERIENCE

Doctoral Thesis. Dr. XX, major professor. September 2002 to May, 2005. Thesis Title. An experimental investigation into the XX of human mesenchymal stem cells and their subsequent differentiation into osteoblasts. Cell viability was assessed and improved by incorporating adhesion peptide sequences and charge and osteogenic differentiation was measured using enzymatic quantification assays and gene expression of osteoblast-specific genes. Finally, the osteogenic molecule XX was covalently linked to a XX network through XX, resulting in release of XX to encapsulated cells with degradation of those XX, leading to osteogenic differentiation.

Master's Thesis. Dr. XX, major professor. August 1999 to August 2001. Using a XX scaffold based on XX, we investigated engineering functional XX tissue in vitro that could eventually be implanted into a patient to restore function to a diseased or damaged XX.

UNDERGRADUATE RESEARCH EXPERIENCE

Senior Thesis Project. Department of XX Engineering, August 1998 to May 1999. Continued to investigate the use of XX in XX tissue engineering

applications using XX (XX)-based XX scaffolds.

Assistant to XX, Emeritus Professor of XX Engineering, University of XX. Fall 1998 and Spring 1999. Updating (BOOK TITLE OMITTED), 4th edition, (Peters and Timmerhaus, McGraw Hill, 1991)

Student Undergraduate Research Fellowship (SURF) Award Recipient.

University Research Opportunities Program (UROP), XX. Summer of 1998. Worked on a project to grow XX in a XX for eventual replacement of XX due to genetic defects or traumatic damage

Research Assistant. University of XX. XX Engineering Department. Spring of 1997 and Fall of 1998. Developed preliminary XX to be used in XX engineering research with XX.

Summer Student Cancer Fellow. Dr. XX, principal investigator. University of XX XX Sciences Center, XX. Summer of 1997. Researched anticancer effects of the enzyme XX combined with the drugs XX and XX. Learned molecular biology techniques such as XX, XX, XX, XX assays, XX, and XX.

Grant Recipient. University Research Opportunities Program, XX. Spring of 1997. Studied biodegradable, XX XX.

Independent Study. University of XX XX Engineering Department. Fall of 1996. Investigated the feasibility of a new method for forming XX, three-dimensional XX.

TEACHING EXPERIENCE

Lecturer. Department of XX and XX Engineering, Spring 2007. Class Name omitted.

Advanced Teaching Assistant. University of XX, Department of XX Engineering. Class Name Omitted, January 2003 to May 2003. Responsible for weekly office hours and help sessions, grading, developing exam questions, weekly office hours, and presented five lectures during the semester.

Teaching Assistant. University of XX, Department of XX Engineering. Class Name Omitted, January 2000 to May 2000. Responsible for teaching weekly laboratory sections, lab notebook grading, and presented four lectures during the semester. Earned the Departmental Outstanding Graduate Teaching Assistant Award, 2000.

TUTORING AND UNDERGRADUATE MENTORING EXPERIENCES

Tutor for high school XX and XX, 2003, and for XX, 2006. **Advised** the following undergraduate and first-year graduate students in a variety of research projects:

9 students names omitted; Spring 2000 – Fall 2004.

Tutor for 3 classes, 2002-2003.

HONORS AND AWARDS

2005 American Institute of XX Graduate Award, Department of XX and XX Engineering, University of XX at XX
2000 National Science Foundation Graduate Research Fellowship Recipient (3-year fellowship)
2000 and 2004 GAANN (Graduate Assistantships in Areas of National Need) Fellowship Recipient from Graduate Program in XX and XX, U.S. Department of Education.
Beverly Sears Graduate Student Grant Recipient, Fall 2003
Outstanding Graduate Teaching Assistant, 2000
The Outstanding Senior in XX Engineering, 1999
Exceptional Undergraduate Research Award, 1999
Kazuko Boe Outstanding Junior Award in XX Engineering, 1998
Westfall Scholarship Winner, 1998-1999
XX Sophomore Academic Excellence Award, American Institute of XX Engineers, Spring of 1997
College of Engineering Dean's List, University of XX, 8 Semesters
XX Memorial Scholarship, 1997-1998
XX Scholarship Winner, 1996-1997 school year
XX Scholarship Winner, 1995-1996, 1996-1997, and 1997-1998 school years
XX Scholarship Winner, 1995-1996 school year

PUBLICATIONS (underlined co-author denotes undergraduate student)

ME and four authors. Article Title. *Progress in Polymer Science*, submitted.
ME and two authors. Article Title. *Tissue Engineering Advances in Experimental Medicine and Biology*, (2006).
ME and three authors. Article Title. *Biomaterials*, (2006).
ME and two authors. Article Title. *Journal of Biomedical Materials Research*, (2006).
ME and two authors. Article Title. *Matrix Biology*. 2005.
ME and two authors. Article Title. *Journal of Biomedical Materials Research*. 2004.
ME and two authors. Article Title. *Biomaterials*, (2002).
ME and three authors. Article Title. *Journal of Biomedical Materials Research*, (2001).
First author, ME and two other authors. Article Title. *Journal of Biomedical Materials Research – Polymer Edition* 2000.
First author, ME and another author. Article Title. In *Biomedical Sciences Instrumentation*, (1999).

PRESENTATIONS AND PROCEEDINGS

ME and four authors. Presentation Title. Invited talk, 2007 Materials Research

Society Spring Meeting.

ME and another author. Presentation Title. Australasian Society for Biomaterials 16th Annual Conference, 2006.

ME and two authors. Presentation Title. Annual Fall Meeting of the Materials Research Society, 2004.

ME and two authors. Presentation Title. 7th World Biomaterials Congress, 2004.

ME and four authors. Proceeding Title. Society for Biomaterials Transactions, (2001).

ME and four authors. Presentation Title. Society for Heart Valve Disease Biannual Meeting, 2001.

ME and three authors. Presentation Title. American Chemical Society National Meeting, 2001.

ME. Presentation Title. A presentation to the multidisciplinary XX Supergroup of the University of XX, 2001.

ME and two authors. Presentation Title. Biomedical Engineering Society National Meeting, 2000.

ME and another author. Presentation Title. Polymer Preprints, (2000).

ME and another author. Presentation Title. AIChE National Meeting, 1998.

PATENTS

United States Patent Application #XXXXXXXX: Three authors and ME. Summary: A XXX material is disclosed. The material is produced by the XX of reactants having XX and XX moieties. The material can incorporate encapsulated components, including cells. Additionally, the material can be derivatized by reacting the XX material with components such as proteins.

Recent Patent Disclosures: CUXXXB, Title; and CUXXXX, Title.

References:

Research

- Dr. XX (Master's and Ph.D. Research Advisor), Professor, Department of XX and XX Engineering; Associate Professor of XX, University of XX Health Sciences Center; Howard Hughes Medical Institute Assistant Investigator: phone number and email omitted.
- Dr. XX, Professor and Department Chair, Department of XX, XX, and XX Biology: phone number and email omitted.
- XX, M.A.S., Laboratory Director, Plastic Surgery Research Laboratory, XX General Hospital; Instructor in Surgery, XX Medical School: phone number and email omitted.

Teaching

- Dr. XX, Senior Instructor, Department of XX and XX Engineering
- Dr. XX, Patten Assistant Professor of XX and XX Engineering
- Dr. XX, Associate Professor of XX and XX Engineering

Queen Amidala, PH.D.

email@gmail.com

SUMMARY

An effective administrator with research interests in STEM education, America's competitiveness, and equal access to higher education. Technical interests and work are in the areas of speech related applications to medicine, engineering and technology; interests also include accessible technology resources for persons with disabilities. Diverse work and leadership skills are demonstrated through experience with universities in the U.S. and Puerto Rico, technology councils, Fortune 500 and start-up companies, medical facilities, and government projects.

EDUCATION

UNIVERSITY OF XX, (NAME DELETED) PROGRAM POSTDOCTORAL FELLOW, Department of Communicative Disorders, 2000, Research: **Research Title**

XX UNIVERSITY, Ph.D., Speech Science, 1999. Dissertation: **Dissertation Title**

XX UNIVERSITY, M.S., ELECTRICAL ENGINEERING, 1994. Thesis: **Thesis Title**

XX UNIVERSITY, B.S., Electrical Engineering, 1991.

ACADEMIC ADMINISTRATION, CORPORATE, & ENTREPRENEURIAL EXPERIENCE

ASSISTANT DEAN FOR GRADUATE STUDENT DEVELOPMENT and DIRECTOR of (PROGRAM NAME DELETED) (August 2007-Present), University of **XX, City, State**. In charge of academic and professional development activities for graduate students at **XX**. Programs for all graduate students include success seminars, preparation for the professoriate training, development of initiatives that drive graduate student success, partnering in TA Training. Duties also include chairing search committees (e.g. Graduate Student Association Exec. Dir., Coordinator of Interpreting Services for the Deaf), cultivating and retaining graduate students, and leading STATE's program for (**3 universities**) \$**X.X** Million; Bridge to the Doctorate Co-PI, \$**XXX** K.

DIRECTOR, (PROGRAM NAME DELETED): (April 2003 – Present). Director of **State's** National Science Foundation funded (**PROGRAM NAME DELETED**) for the three public research universities in (**STATE DELETED**): University of **XX**, University of **XY**, and University of **YZ**. Direct interaction with administrators, faculty, staff, and students to facilitate graduate student retention, successful graduation, and transition to the professoriate. Coordinator of (**NAME DELETED**) NSF program for University of **XX**. Developed programs to retain and train graduate students. **Grant: \$X Million over 5 years**. Key experience: Program design and implementation, mentoring, coalition building, leadership training, multi-site management. **Work acknowledged in:** *Name of article deleted*, Council of Graduate Schools, 2007. **Relevant information deleted**

VICE PRESIDENT, OPERATIONS (April 2000 – April 2003) **(NAME DELETED) Multimedia Incorporated, (Cities, States)**. In charge of daily business operations, consulting, procurement of funding, university alliances, and business relations; Initiated medical applications focus and multimedia technology research. Planned and directed **(COMPANY NAME DELETED)** operational policies, objectives, and initiatives. **Helped to secure \$XXX, XXX in early seed and angel funds.** Key experience: start-up, entrepreneurship, technology council representative.

FOUNDER AND DIRECTOR – XX Technology Laboratory at (University of **XX**) (1999-2001). **Assistant Professor** (Aug. 2000 – Aug. 2001), **Honorary Fellow, Research Associate –(NAME DELETED)** Center (1999-2001); Research Affiliate – **(NAME DELETED)** Research & Dev. Center, College of Engineering (1999-2001); Initiated models for disability enabled **XX** technology software and **XX** technology avoidance; Developed computerized **XX** technology solutions via **XX** Recognition systems for the disability community; Employees ranged from high school diploma to graduate level education.

ASSISTANT TO THE DIRECTOR (Sept. 1996 – June 1997), **XX University, XX Center for Teaching Excellence**. Coordinated and analyzed faculty summative and formative data for the XX Association for Higher Education's (AAHE) XX Project. Initiated and developed a program to enhance classroom teaching through the use of telecommunications technology.

MULTIMEDIA RESEARCHER (June 1992 – Aug. 1992, June 1991 – Aug. 1991). **Eastman Kodak Company, (1992), Product Software Engineering (1991), City, State**. Assisted in the design, production and implementation of the audio phase of the Photo CD Project. Produced the first audio Photo CD for XX (1992). Designed a program to interface lens data from the Optikos **XXX XXX** lens bench with Microsoft Excel worksheets for frequency observation.

CERTIFIED SYSTEMS ANALYST (June 1990 – Aug. 1990). **General Electric Aerospace, City, State**. Conducted and evaluated tests and analyses for support operations of future communications hardware applications. SECURITY CLEARANCE **E.B.I.**

DATA ANALYST (June 1989 – Aug. 1989). **General Electric Aerospace, City, State**. Performed communications/electronics evaluation testing of a special applications system, support calibrations, and alignments of system hardware using software applications. SECURITY CLEARANCE **E.B.I.**

ACADEMIC RESEARCH, TEACHING, & SERVICE

LECTURER (Oct. 2003 – present). **University of XX, Department of XX**. Research focus: Quality of life enhancement for people with vocal pathologies through evolving speech technologies, linguistic constructs in automatic speech recognition systems, accommodating voice-related disabilities through **XX** programming in speech recognition grammars.

ASSISTANT PROFESSOR (Aug. 2000 – Aug. 2001). **University of XX, Department o XX**). Conducted research in voice perturbations; impacts of laryngeal pathology on outcomes of speech technology, and effects of the common cold on

voice quality. Studied effects of disease and disabilities on speech and subsequent impacts on automatic speech and speaker recognition systems.

RESEARCHER (March 1997 – Aug. 1999). **University of XX** (1998-99), **XX University**, (1997). Researched aspects of 'cold-speech' (1998-99), Analyzed children's vowel/consonant durations (1997).

LABORATORY COORDINATOR – RESEARCH ASSISTANT (Jan. 1996 – June 1996). **XX University**, *Dept. of XX*. Analyst – (**Operating System Name**) system administration team, Author/creator of "**NAME DELETED**" (version 1.0, 2/96) pamphlet for the Lab's **XX** workstation, and "**XX Lab Handbook and Tech Notes**" (version 1.0, 5/96). Wrote specialized signal analysis (**ANALYSIS SOFTWARE PROGRAM**) scripts for laboratories to assist in transformed auditory feedback research efforts and to study (**XX disease**) patient data. Compiled and organized data for adult efficacy studies (1996); provided analyses for **Article Name, Title** (1995). Seminar presented at the Annual Convention of the American **XX-XX-XX** Association.

RESEARCH ASSISTANT (Sept. 1992 – June 1996). **XX University**, *Dept. of Electrical Engineering and Computer Scienc.* Conducted acoustic analysis research on alaryngeal speech, information theoretic constructs of female laryngectomee speech, and mel-cepstra generation from cold-speech. Analysis software: (**SOFTWARE NAMES DELETED**).

RESEARCH INTERN (June 1994 – Aug. 1994). **XX University**. Conducted cepstral analyses with synthesized parameters for speech and speaker recognition research used in the work: First Author, "Article Name", 1994.

INNOVATIVE PROGRAMS

CO-FOUNDER (With Dr. XX: TADA Thesis and Dissertation Accomplished, ABD Solution, Inc.) *Original Workshop and Conference: Dissertation House (March 2006), Dissertation House – On Campus (July 2007, Jan. 2008, July 2008)*. Dissertation Completion workshops and lectures for Ph.D. Candidates. Sponsors: NSF XXXXX, Council of Graduate Schools Ph.D. Completion Project, The Graduate Schools –XXX & XXXX.

FOUNDER

- *Original Conference – XXXXX Annual Summer Success Institute (SSI)*. Professional Development Conference for new/incoming and continuing graduate students,(August 2003 – Present).
- *Original Program – XXXX-in-Training (XXX)*. Partners: XXXX, XXXX College of XXXXX County, University of XXXX, XXXXX University; Workshop series with online course resources and hands-on opportunities for classroom teaching. (Sept. 2004 – Present)

CO-DEVELOPER & CO-INSTRUCTOR (With Dr. XXXX, August 2003). *Original Course – XXXXX: Program Name*, Community Partnership, XXXX XXX Church, City,

State. Introductions to binary, cellular technology, logic, and speech processing. Three classes: grades K-5, 6-12, and senior citizens.

DEVELOPER & INSTRUCTOR (June – Aug. 1996, June – Aug. 1995). XXXX University, National High School Institute (NHSI): Engineering and Science Division and Middle School Math/Science Program. *Original Course – Course Name*

- NHSI High School Program: Combined neurology, speech pathology and physiology, phonetics and phonology, calculus, and digital signal processing to create an advanced course for accelerated high school students. The course included lectures, laboratory demonstrations, breakfast discussion sessions, electronic newsgroup discussion, web use, library research, films, and articles from textbooks, renowned journals, magazine and newspaper articles, corporate white papers and press releases.
- XXX Middle School Program: Weekday sessions included lectures, films and computer exercises. Saturday sessions were project-oriented involving creating brain models, incorporating student's favorite songs into linguistic exercises, and using life experiences in mathematics examples.

FOUNDER (Sept. 1988 – June 1991)

The AE Club: Motivations for Academics Excellence, Program name, The XXXX Times, The National Society of XXX Engineers (XXXX). Developed methods and programs to aid and assist students in attaining and surpassing a 3.0 G.P.A. *The AE Club* was successfully implemented at 27 colleges and universities throughout 5 states. The success of the program extended beyond the engineering and science students; "Program Name" was a successful community outreach program for undergraduate engineering students. The XXXX Times newsletter was one of the innovative XXXX programs that received awards leading to National XXXX of the Year (1991) and National XXXX Member of the Year (1990).

MEDIA & PRESS FEATURES

- *The Sounds of Progress: The Changing Role of Girls and Women in Science and Engineering, Perceptions of (information deleted) Undergraduate Women in Their Pursuit of a Ph.D. in Science* (website address deleted), National Public Radio – NPR, 2008
- First Author. (2008, September 10). *Article Title*.
- *Prepare for Graduate School: Optimize Your Summer Research Experience*, XXX TechTV, 2008 (website address deleted)
- First author. (2008). *Lecture Title*. (website address deleted)
- *What is XXXX?* (Website address deleted), (Advisor: Student Produced), September 2007
- *XXXX in One Word*, (Website address deleted), (Advisor. Student Produced), September 2007
- *Leveraging Your Undergraduate Experience for Graduate School Success*, XXX TechTV, 2007, (Website address deleted)
- *XXX Nightly News, (XXXX Technology Businesses)*, 2002
- *Q&A (Information deleted)*, Speech Technology Magazine, July/August 2001
- *Article Name*, The Daily Cardinal, 2001
- *Article Title*, In Chemistry, Nov. /Dec. 1998.
- *Article Title*, Media lay paper, Am. Institute of Physics, 1996.

- *Article Title*, The Dallas Morning News, 1996
- *Article Title*, Science & Technology, The Economist, 1996
- *Article Title*, American Institute of Physics, 1996

PUBLICATIONS & PAPERS:

Higher Education

ME and second author. *Proceeding Title*. Proceedings of the 3rd Annual Conference on Understanding Interventions, 2009

Two authors and ME. *Proceeding Title*, XXX Association of Graduate Schools Annual Meeting, 2009.

First author, ME and third author. *Proceeding Title*, XXXX Association of Graduate Schools Annual Meeting, 2008.

ME, *Manual Title* (unpublished manual), 2006.

ME and two other authors. *Article Title*. In *Chemistry*, November/December, 2003.

First author, ME, and three more authors. *Article Title*. *Journal of Higher Education Strategists*, 2003.

ME, *Workshop Title*. XXXX Center for Teaching Excellence, XXXX University, 1995.

Science, Technology, and Engineering

ME and three more authors. *Article Title*. Proceedings of AVIOS Conference on Speech Technology Applications, 2001.

ME and three more authors. *Article Title*. *Journal of the Acoustical Society of America* 2001.

Three authors and ME. *Article Title*. STL Working Paper. 2000 (unpublished).

First author and ME, *Article Title*. STL Working Papers, 2000 (unpublished).

ME and another author. *Article Title*. American Speech and Hearing Association, 2000.

First author and ME, *Article Title*. American Speech and Hearing Association, 2000.

First author and ME. *Article Title*. ASHA Augmentative and Alternative Communication SID 12 Newsletter, 2000.

First author, ME, and three more authors. *Article Title*. International Congress on Education of the Deaf, 2000.

ME, *Article Title*, Acoustical Society of America, Spring Meeting Proceedings, 2000.

ME and two more authors, Article Title, Journal of the Acoustical Society of America 1996.

ME and another author, Journal of the Acoustical Society of America, 1996.

ME and two others. Article Title. JASA 1995.

ME and three authors. WORKING REPORT (unpublished) 1994.

ME and another author. Article Title. Proceedings of the E&A '94 Annual Symposium, 1994.

ME and another author. Article Title. IEEE Engineering in Medicine and Biology Society, 1993.

ME, Article Title. Proceedings of the 8th Annual National Technical Association Student Symposium –1991; – Proceedings of the 1st Annual EE Symposium, 1991 ; – Proceedings of the 2nd Annual IEEE Symposium on CSA, 1991; *Technology Trends in Telecommunications*, 1990.

SELECTED PRESENTATIONS & WORKSHOPS

Higher Education – Student & Faculty Recruitment & Retention (Audience: Faculty & Administrators)

Presentation Title, (With 5 presenters), NSF/American Association for the Advancement of Science (AAAS) Capacity Building Meeting, 2008

Presentation Title., (With 3 presenters), Joint Annual Meeting, Human Resources Division, National Science Foundation, 2008.

Presentation Title, American Association of Physics Teachers Winter Conference, 2008.

Presentation Title, (With 5 presenters), Joint Annual Meeting, Human Resources Division, NSF, 2007.

Presentation Title (Moderator and Session Author. Presenters: 2 people), Northeastern Association of Graduate Schools Annual Meeting, 2007.

Presentation Title. IGERT-Institute for Broadening Participation Working Group Invitational, 2007

Workshop Title, NSF AGEP Evaluation Meeting, 2007 (With 4 authors)

Workshop Title, NSF ERC Site Visit, 2006

Presentation Title (Keynote), Office of Social Equity Seminar, 2006

Presentation Title (Keynote), Graduate Studies Diversity Conference, 2006

Presentation Title, XXXX Association of Graduate Schools Conference, 2006

Presentation Title, NSF AGEP Second Evaluation Capacity Building Meeting, 2006

Presentation Title, (With 5 presenters), NSF AGEP Evaluation Capacity Building Meeting, 2006

Presentation Title, NSF Engineering Research Center Site Visit (Funded, 2006),

Panel Discussion (Panel: ME and three more panelists), NSF XXXX ADVANCE Faculty Horizons Workshop for Aspiring STEM Faculty, 2005.

Presentation Title, (With 4 presenters) Joint Annual Meeting National Science Foundation, 2005.

Presentation Title (Poster, with 4 authors) Joint Annual Meeting National Science Foundation, 2005.

Presentation Title, (With 2 presenters), 2nd Annual Bouchet Conference, 2005.

Presentation Title (poster), National Science Foundation Human Resource Development PI Meeting, 2004.

Presentation Title, Faculty of XXXX Network Workshop, 2004

Presentation Title (poster), American Association for the Advancement of Science (AAAS) XXXX Evaluation Meeting, 2004.

Presentation Title, NAGS Annual Conference, 2004.

Higher Education – Graduate School Completion (Audience: Graduate Students/Ph.D. Candidates)

Presentation Title, Society for Professional Hispanic Engineers, 2008.

Presentation Title, National GEM Consortium Conference, 2008

Presentation Title, Society for Professional Hispanic Engineers, 2007

Presentation Title, Alliance for Graduate Education in Mississippi (AGEM) Conference, 2006

Presentation Title, SHPE, 2006

Presentation Title, Emerge Conference, 2005

Presentation Title, (With 3 authors), 7th Annual Future Faculty Professional Sumpoisum, 2005

Higher Education – Graduate School Preparation (Audience: Undergraduate Students)

FOR XX University: *Model Institutions of Excellence Research Symposium,*

- *Graduate School Workshop, 2009*
- *Presentation Title, 2008*
- *Presentation Title (Keynote), 2006*
- *Presentation Title (Keynote), 2004*
- *Presentation Title, 2004*

FOR GEM: *Grad Laboratory: Preparing and Applying for Graduate School*

- Society for Hispanic Professional Engineers (SHPE), 2008
- American Indian Science and Engineering Society (AISES), 2007
- National GEM Conference, 2008
- National Society of Black Engineers Annual Conference, (with another speaker), 2007

Topics covered: Letters of Recommendation, Statement of Purpose, Graduate Record Exam (GRE)

FOR MIT: Office of Graduate Education, Massachusetts Institute of Technology,

- *Presentation Title MSRP Summer Series, 2008*
- *Presentation Title, MSRP Summer Series, 2007*
- *Presentation Title, MSRP Summer Series, 2006*

FOR CORNELL: College of Engineering, Cornell University

- *Presentation Title, 2008*
- *Presentation Title, 2007*
- *Presentation Title, 2007*

FOR NSBE: National Society of Black Engineers National Conferences

- *Presentation Title, with another speaker, 2006*

- *Presentation Title*, 2005 .

- *Presentation Title*, NSBE National Leadership Institute, 1995.

FOR SHPE: Society of Hispanic Professional Engineers National Conferences

- *Presentation Title*, 2006

- *Presentation Title*, 2005

FOR AISES: American Indian Science and Engineering Society

- *Presentation Title*, 2007

- *Presentation Title*, 2005

- *Presentation Title*, American Indian Science and Engineering Society Conference, 2006 (also at National Institutes of Health, Fellowship Program, 2006)

FOR UNIVERSITIES IN MARYLAND & VIRGINIA:

- *Presentation Title*, Bill and Melinda Gates Millennium Scholars Leadership Academy, 2008

- *Presentation Title*, Graduate Horizons Conference, 2006

- *Presentation Title*, University of XX 2006

- *Presentation Title*, XX Graduate Horizons, 2005

- *Presentation Title*, XX Graduate School Fair, 2005

- *Presentation Title*, University of XX 2005

- *Presentation Title*, XX University, 2004

- *Presentation Title*, Fall Horizons, 2004

- *Presentation Title* , McNair Conference, 2004

Science, Technology, and Engineering

Presentation Title, Hearing and Speech Department, University of XX, 2003.

Presentation Title, (with two presenters), Mid-Atlantic Venture Association Capital Connection, 2002.

Presentation Title, SpeechTek 2001.

Presentation Title, IBM Thomas J. Watson Laboratories Research Center, 2000.

Presentation Title, Communicative Disorders PROSEM, 2000 (with 3 speakers).

Presentation Title, Information Technology Access Rehabilitation Engineering Research Center (RERC) Advisory Committee, 2000.

Presentation Title, National Institute on Disability and Rehabilitation Research, 1998.

Presentation Title, American Speech-Language-Hearing Association (ASHA) 7th Annual Research Symposium, 1997.

HONORS, FELLOWSHIPS & GRANTS

- Co-PI, Alliances for Broadening Participation in STEM – LSAMP: Bridge to the Doctorate, NSF (Pending: 2009-2011)
- Co-PI, XXx: XXX's Alliances for Graduate Education & the Professoriate (AGEP), NSF, (2008-2010)
- Co-PI, CGS Ph.D. Completion Project Grant (XXX, 2004, 2007)
- XXXX Technology Growth Fund Award (DVIP, 2003)
- XXX Department of Business and Economic Development Challenge Grant (DVIP, 2002)
- University of XXX, Division of Information Technology/Department of Learning Technology and Distance Education, Web Works Grant (1999 –2000).
- National Institute on Disability & Rehabilitation Research (NIDRR) Rehabilitation Engineering Research Center (RERC), Voice Variation Project, Trace R & D Center (1999-2001).
- National Institutes of Health (NIH) National Institute on Deafness and Other Communication Disorders (NIDCD) Small Research Grant No. 1 R03 DC03650-01 (1997-1998).
- American Speech-Language-Hearing Association (ASHA) Travel Grant (1997).
- XXX in Science and Engineering (XXX) Travel Grant (1996).
- Searle Center for Teaching Excellence (SCFTE) Teaching Assistant Fellow (1995).
- IMGIP Fellow (1991-1994), XXX University Fellow (1995-1997).

DISTINCTIONS, SCHOLARSHIPS, NATIONAL OFFICES/AWARDS

The National GEM Consortium National University Member of the Year (2008), Awarded at the Library of Congress.

XXXX Committee Chair of the Year (1991), Member of the Year (1990), Leadership Committee Programs Vice Chair (1991-92), Charter/ Membership Chair (1990-91); Chair – XXXX University (HU) Student Senate, 1st Quarter (1989), Grievance Director – HU Undergraduate Assembly (1989); Co-Founder – S.A.F.E. (Students Against the Fighting Epidemic) – Union County (1986)

Engineering Internship Programs: XXXX Institute of Technology (1983); University of XXX (1982).

Scholarships: National and American Associations of University XXX, American Association of XXXX in XXXX,

XXXX University, 5 fraternities.

PROFESSIONAL ACTIVITIES, COLLABORATIONS, & COMMUNITY INVOLVEMENT

- *Board Member (At Large)* , XXX Association of Graduate Schools (Faculty Mentoring Awards Committee); Chair, Best Practices in Graduate Student Development, 2008; Retention – 2009; Chair, Faculty Mentoring Awards Committee, 2007, Founding Chair: Mini Symposia
- *Alumni Advisory Board*, XXX University, Department of Electrical and Computer Engineering
- *Representative for Science, Technology, Engineering, and Math (STEM) Outreach:* Mid-Infrared Technologies for Health and the Environment – MIRTHE Engineering Research Center (5 universities), IGERT Institute for Broadening Participation, XX University (Model Institutions of Excellence Program – Proyecto MIE)
- ETS GRE® Campus Educators Certificate
- *Reviewer*, National Science Foundation panels and independent proposals
- *Volunteer Staff Coordinator:* XXX Technology Council
- *Former Member:* Engineering in Medicine and Biology Society, Institute of Electronic and Electrical Engineers (IEEE)
- *Moderator:* "Talk Title", SpeechTek 2001
- *Session Chair:* "Talk Title", 2001(Poster Session), Acoustical Society of America
- *Reviewer:* Journal of Speech and Hearing Research
- *Organizing Committee:* Conference on Vocal Physiology & Biomechanics – 1997
- *Staff:* Conference on Laboratory Phonology (LabPhon) – 1996
- *Deaf Ministry*, XXXX Church and Ministries (2004- present); *Deaconcare* (2007-present)
- *Children's Ministry Instructor* - 2nd-4th grade XXX Baptist Church, (1999-2002)
- *Youth Action Ministry Council*, XX Church, (1991-1997)

MENTORING PROGRAM ACTIVITIES

Workshop Panel Chair: "Workshop Title." Panelists from 8 institutes/universities. Graduate Student Panelists from 6 universities, *XVIII Undergraduate Research Symposium* (2007)

Session Co-facilitator: "Talk Title", XXXX (2004),

Judge: Undergraduate Research Symposium, XX University (2003)

Participant: American Association for the Advancement of Science (AAAS) Workshop on Mentoring (2003)

Yoda, Ph.D. (BEFORE)

Address

Email

Phone

CV updated November 2007

EDUCATION

XX Polytechnic Institute and State University, City, State

Doctor of Philosophy, XX Engineering, May 2006 Department of XX Engineering, School of XX and Sciences (GPA: XX/4.0) Dissertation Title.

Master of Science, Engineering XX, December 2002 Department of XX Science and Mechanics (GPA: XX/4.0) Thesis Title.

Bachelor of Science, Engineering of XX and Mechanics, December 2000 Department of XX and Mechanics (GPA: XX/4.0) **Minor: XX**

EXPERIENCE

Assistant Professor, School of Engineering, **XX University**, XX, Virginia, **Starting Jan. 2008**

National Academy of XX XX Postdoctoral Fellow, Department of XX, **XX**, City, State **Jan. - Dec. 2007**

- Conducting engineering education research on assessing the learning outcomes of engineering students involved in undergraduate research as well as comparing these outcomes to faculty expectations.
- Developing test instruments to be administered to NSF undergraduate researchers. The research design plan can be generalized and replicated across research disciplines and institutions.

**Prior to postdoctoral fellowship, research was conducted on assessing the learning outcomes and skills of senior XX engineering students involved in a capstone design experience.

Fall 2006

Graduate Research Assistant, Department of XX Engineering, School of XX Engineering and Sciences, **XX Tech**, City, State **Fall 2001-Spring 2006**

- Conducted experiments on left ventricular and other cardiovascular flows including flow through stents, stenosed and bifurcating arteries using XX.
- Developed algorithms for flow characterization in cardiovascular and other complex flows such as turbulence quantities and dissipation rates, vortex formation and dynamics parameters, signal processing, wavelet and spectral analysis.
- Performed experiments and did research in other areas such as XX sensor technology, grid turbulence flows, laminar and turbulent boundary layers and viscous drag reduction.

- Prepared progress reports, technical papers and aided in the writing/editing of research proposals.

Instructor, XX Tech, City, State

- XX Engineering Laboratory II (XX XXXX), Department of XX Engineering (285 students, co-taught class with two professors, lectures on speaking and writing communication skills, supervised four graduate students to design two new experiments for the course) **Fall 2006**

- XX Engineering Course (XX XXXX), Department of XX Engineering (55 students, Course Evaluations XX/4.0) **Spring 2006**
- XX Engineering Course (XX XXXX), Department of XX Engineering (24 students, Course Evaluations XX/4.0, Teaching Dean's List) **Summer 2004**
- XXX Laboratory (XXX XXXX), Department of XXX and Mechanics (15 students, Course Evaluations XX/4.0, Teaching Dean's List) **Fall 2002**

Graduate Teaching Assistant, XX Tech, City, State

- XX Engineering Laboratory II (XX XXXX), Department of XX Engineering (220 students, lectures on internal cooling channels of turbine blades) **Fall 2004**
- XX Engineering Laboratory I (XX XXXX), Department of XX Engineering (20 students, supervised twelve instrumentation experiments) **Spring 2005**
- XX XX Laboratory, Dynamics, Vibrations, Department of XX and Mechanics (Instructor assistant and grader of assignments and technical reports) **Spring 2001 and 2002**

Undergraduate Teaching Assistant, Department of XX, XX Tech, City, State
(Tutored undergraduate students in XX and XX-related software) **Fall 1998-Spring 2000**

Advising/Mentoring/Leadership Experience, XX XX Institute and State University, City, State

Advisor, XX Design and Project (XX XXXX/XXXX), Department of XX Engineering

- Advised twenty-five senior XX engineering students, corresponding to four senior design teams, in year-long capstone design experience. (Course Evaluations XX/4.0). Projects varied from the design of a hand-held probe to measure mechanical properties of XX in-situ to the design of a bioreactor, a device to study the effect of mechanical stimuli on XX cells in a physiologic environment of a vessel construct. **Fall 2006-Spring 2007**

Program Coordinator, XX and XX Summer Institute (BBSI) Program School of XX Engineering and Sciences, XX XX Institute

- Managed administrative efforts of the NSF/NIH sponsored BBSI program, which offers state-of-the-art summer undergraduate research experiences for undergraduates. (Program started on August 2006)
- Prepared and coordinated program material such as website, online student application,

organization of faculty mentors, and all recruitment efforts of the program.

Fall 2006

Outreach Experience, XX XX Institute and State University, City, State

Presenter/Volunteer, College of XX, Center for the XX of XX Diversity (CEED)

- Prepared and presented lectures to illustrate the diversity of XX research (focusing on 3 topics) by using tangible real life examples and integrating them to contemporary research for four CEED groups (high school women, pre-college incoming freshmen, freshman male engineers, freshman female XX). **Summer 2005-Present**
- Assessed (pre and post lecture) students' perceptions of XX stereotypes, their appreciation and knowledge of research, their knowledge of XX diversity, and overall impact of the experience.

Mentor/Volunteer, XX Governor's School and XX High School

- Prepared and presented lectures to illustrate the diversity of XX via use of research examples (focusing on 3 topics) by using tangible real life examples and integrating them to contemporary XX research. Mentored two high school women, one from each high school, in conducting independent XX research projects pertaining to two topics. **Spring 2006-Present**

Other Experience, XX Institute and State University, City, State

Numerical Analyst, McGraw-Hill Publishing, work done in Department of XX and Mechanics

- Formulated XX application work-out problems with solutions for Dr. XX and Dr. XX *Textbook Title Omitted* textbook published by McGraw-Hill.
- Implemented numerical analysis, programming, and software application for developing and solving XX problems. **Summer 2000**

XX Engineering Intern, XX Memorial Hospital, City, State

- Observed procedures in different departments of the hospital including radiology, cardiac surgery, emergency room, pediatric surgery, general surgery, and labor and delivery.
- Interacted with medical students, nurses, and doctors as a means to conceptualize the importance of XX in a hospital environment.

PUBLICATIONS

Journal Publications

1. ME and another author. 2006, "Article Title," *ASME Journal of Biomechanical Engineering*.
2. ME and two authors, 2004, "Article Title," *ASME Journal of Biomechanical Engineering*.

3. First author, ME, two other authors. "Article Title" *Advances in Engineering Education*, In Press.

Journal Publications in Preparation

1. ME and another author, "Article Title," to be submitted to *ASME Journal of Biomechanical Engineering*.
2. ME and another author, "Article Title," to be submitted to *Physics of Fluids or Journal of Fluid Mechanics*.
3. ME and another author, "Article Title" to be submitted to *ASEE Journal of Engineering Education*.
4. ME, "Article Title," to be submitted to *ASEE Journal of Engineering Education*.

Engineering Education Refereed Conference Publications Conference Presentations (Presenter – underlined)

1. ME and two authors, 2007, "Article Title," Eighteenth Annual Conference of the Australasian Association for Engineering Education.
2. ME and another author, 2007, "Article Title," *ASEE Annual Conference & Exposition*.
3. ME and two authors, 2007, "Article Title," *ASEE Annual Conference & Exposition*.
4. First author and ME, 2007, "Article Title," *ASEE Annual Conference & Exposition*.
5. ME and two authors, 2006, "Article Title," *ASEE Annual Conference & Exposition*.
6. ME and two authors, 2006, "Article Title," *2006 Summer Bioengineering Conference*.
7. ME and another author, 2005 "Article Title," *American Society of Engineering Education (ASEE) SE Regional Conference*.

Technical Refereed Conference Publications Conference Presentations (Presenter – underlined)

1. Invited Plenary Talk – ME and another author, 2007, "Presentation Title," *5th IASME/WSEAS International Conference on Fluid Mechanics and Aerodynamics*.
2. Seven authors, ME and another author, 2007, "Presentation Title," *ASME Summer Bioengineering Conference*.
3. ME and another author, 2006, "Presentation Title" *American Physical Society 59th Annual Division of Fluid Dynamics Meeting*.
4. Two authors and ME, 2006, "Presentation Title," *ASME Fluids Engineering Division Meeting*.

5. ME and another author, 2005, "Presentation Title," *American Physical Society 58th Annual Division of Fluid Dynamics Meeting*.
6. ME and two authors, 2004, "Presentation Title," *WSEAS International Fluid Mechanics Conference*.
7. ME and four authors. 2006, "Presentation Title," *2006 Summer Bioengineering Conference*.
8. First author, ME and three authors. 2006, "Presentation Title," *2006 Summer Bioengineering Conference*.
9. ME and another author, 2005, "Presentation Title," *ASME Summer Bioengineering Conference*.
10. ME and two authors, 2002, "Presentation Title," *BED-Vol XX, ASME International Mechanical Engineering Congress and Exposition*.
11. First author, ME and two authors, 2002, "Presentation Title," *BED-Vol. XX, ASME International Mechanical Engineering Congress and Exposition*.
12. First author, ME and another author, 2002, "Presentation Title," *BED-Vol. XX, ASME International Mechanical Engineering Congress and Exposition*.
13. Two authors, ME and another author, 2002, "Presentation Title," *BED-Vol. XX, ASME International Mechanical Engineering Congress and Exposition*.
14. ME and two authors, 2001, "Presentation Title," *BED-Vol. XX, ASME International Mechanical Engineering Congress and Exposition*.
15. ME and two authors, 2001, "Presentation Title," *BED-Vol. XX, ASME Summer Bioengineering Conference*.
16. First author, ME and another author, 2001, "Presentation Title," *BED-Vol. 50, ASME Summer Bioengineering Conference*.

Poster Presentations

17. ME and three authors, 2007, "Poster Title," *Fourth Biennial Meeting of The Society for Heart Valve Disease*.
18. ME and another author, 2007, "Poster Title," *ASME Summer Bioengineering Conference*.
19. ME and another author, 2005, "Poster Title," *ASME Summer Bioengineering Conference*.
20. ME and another author, 2004, "Poster Title," *Poster Session, Biomedical Engineering Society (BMES) Meeting*.

21. ME and two authors, 2002, "Poster Title," *Sixth Annual Hilton Head Prosthetic Heart Valve Workshop*.

22. ME and two authors, 2001, "Poster Title," Poster Session III XX.XX, *Biomedical Engineering Society (BMES) Meeting*.

HONORS AND ACTIVITIES

2007 National Academy of Engineering Center for the Advancement of Scholarship on Engineering Education (CASEE) Postdoctoral Fellow

2006 College of Engineering "Graduate Student Recruitment Weekend" Invited Speaker

2005 XX Graduate Student Research Excellence Award (XX Tech)

2005 Outstanding Research Award (Graduate Student Presentation Competition), The XX Tech/XX XX University School of XX Engineering Graduate Research Symposium

2005 Graduate Teaching Assistant Commendation Award

2005 XX Scholarship (School of XX Engineering and Sciences)

XX Doctoral Fellowship (2004/2005 Academic Year, NSF sponsored fellowship)

P.E.O. Scholar, XX Guy Endowed Scholar (\$X,000)

(2003-2004, Nominated International Award, only 10% of applicants selected)

General Electric and XX Tech Graduate Fellowship Scholar (2002-2004 Academic Years)

Academic Dean's List for Teaching (Spring 2002, Fall 2002, Summer 2004)

XX Center of XX Engineering Graduate Scholarship (\$X,X00) (2001-2002 Academic Year)

XX Presidential Fellowship (\$X,X00) (2001-2002 Academic Year)

Who's Who Among Students in American Universities and Colleges Award (XX, 2000-2001)

PATENT

ME and three authors, "Patent Title," XX Tech Intellectual Property: XX-XXX (provisional patent).

PROPOSALS

NSF Research Experiences for Undergraduates Site, "Proposal Title," ME (PI), XX (Co-PI), XX (Co-PI), XX Tech, **Pending**.

American Society for Engineering Education (ASEE) Cooperative Education Division (CED),

“Proposal Title,” ME (PI), XX (Co-PI), XX (Co-PI), XX Tech, **\$X,X00**.

The National Academies, “Proposal Title,” XX (PI), ME (Co-PI), XX (Co-PI), XX Tech, **\$XX,000**.

STUDENT ADVISING

1. *Senior Design Project Title*, 8 students, XX Engineering Capstone Senior Design Project, 2006-2007 academic year (AY).
2. *Senior Design Project Title*, 7 students, XX Engineering Capstone Senior Design Project, 2006-2007 AY.
3. *Senior Design Project Title*, 5 students, XX Engineering Capstone Senior Design Project, 2006-2007 AY.
4. *Senior Design Project Title*, 6 students, XX Engineering Capstone Senior Design Project, 2006-2007 AY.
5. *Senior Design Project Title*, 3 students, Undergraduate Research Project and Design, XX Engineering, 2004-2005 AY.
6. *Senior Design Project Title*, 2 students, XX and Mechanics Capstone Senior Design Project, 2003-2004 AY.
7. *Senior Design Project Title*, 1 student, XX and Mechanics Capstone Senior Design Project, 2001-2002 AY.

Yoda, Ph.D. (AFTER)

Address

Email

Phone

CV updated November 2007

EDUCATION

XX Polytechnic Institute and State University, City, State

Doctor of Philosophy, XX Engineering, May 2006 Department of XX Engineering, School of XX and Sciences (GPA: XX/4.0) Dissertation Title.

Master of Science, Engineering XX, December 2002 Department of XX Science and Mechanics (GPA: XX/4.0) Thesis Title.

Bachelor of Science, Engineering of XX and Mechanics, December 2000 Department of XX and Mechanics (GPA: XX/4.0) **Minor: XX**

EXPERIENCE

Assistant Professor, School of Engineering, **XX University**, XX, Virginia, **Jan. 2008-Present**

- Involved with curriculum development throughout the curriculum, freshman to senior year.
- Leading program-level and ABET assessment efforts.
- Leading an effort to integrate Problem-based Learning (PBL) in every course of the curriculum.
- Serving as lead instructor in the 10-credit design sequence (sophomore to senior year) of the program.
- Supervising and mentoring undergraduate and graduate students from a variety of disciplines.
- Conducting engineering education research, biomedical engineering research, and sustainability research.
- Involved with STEM outreach activities in K-12 education.

National Academy of XX XX Postdoctoral Fellow, Department of XX, **XX**, City, State **Jan. - Dec. 2007**

- Conducted engineering education research on assessing the learning outcomes of engineering students involved in undergraduate research, capstone design, and industry internships.
- Developed and administered test instruments to be administered to NSF undergraduate

researchers and XX Tech engineering students (total student participants ~750).

- Published findings at national and international XX education conferences.

Graduate Research Assistant, Department of XX Engineering, School of XX Engineering and Sciences, **XX Tech**, City, State **Fall 2001-Spring 2006**

- Conducted experiments on left ventricular and other cardiovascular flows including flow through stents, stenosed and bifurcating arteries using XX.
- Developed algorithms for flow characterization in cardiovascular and other complex flows such as turbulence quantities and dissipation rates, vortex formation and dynamics parameters, signal processing, wavelet and spectral analysis.
- Performed experiments and did research in other areas such as XX sensor technology, grid turbulence flows, laminar and turbulent boundary layers and viscous drag reduction.
- Prepared progress reports, technical papers and aided in the writing/editing of research proposals.

Instructor, **XX Tech**, City, State

- XX Engineering Laboratory II (XX XXXX), Department of XX Engineering (285 students, co-taught class with two professors, lectures on speaking and writing communication skills, supervised four graduate students to design two new experiments for the course) **Fall 2007/Fall 2006**
- XX Engineering Course (XX XXXX), Department of XX Engineering (55 students, Course Evaluations XX/4.0) **Spring 2006**
- XX Engineering Course (XX XXXX), Department of XX Engineering (24 students, Course Evaluations XX/4.0, Teaching Dean's List) **Summer 2004**
- XXX Laboratory (XXX XXXX), Department of XXX and Mechanics (15 students, Course Evaluations XX/4.0, Teaching Dean's List) **Fall 2002**

Graduate Teaching Assistant, **XX Tech**, City, State

- XX Engineering Laboratory II (XX XXXX), Department of XX Engineering (220 students, lectures on internal cooling channels of turbine blades) **Fall 2004**
- XX Engineering Laboratory I (XX XXXX), Department of XX Engineering (20 students, supervised twelve instrumentation experiments) **Spring 2005**
- XX XX Laboratory, Dynamics, Vibrations, Department of XX and Mechanics (Instructor assistant and grader of assignments and technical reports) **Spring 2001 and 2002**

Undergraduate Teaching Assistant, Department of XX, **XX Tech**, City, State

(Tutored undergraduate students in XX and XX-related software) **Fall 1998-Spring 2000**

Advising/Mentoring/Leadership Experience, XX XX Institute and State University, City, State

Advisor, XX Design and Project (XX XXXX/XXXX), Department of XX Engineering

- Advised twenty-five senior XX engineering students, corresponding to four senior design teams, in year-long capstone design experience. (Course Evaluations XX/4.0).
- Projects varied from the design of a hand-held probe to measure mechanical properties of XX in-situ to the design of a bioreactor, a device to study the effect of mechanical stimuli on XX cells in a physiologic environment of a vessel construct. **Fall 2006-Spring 2007**

Program Coordinator, XX and XX Summer Institute (BBSI) Program School of XX Engineering and Sciences, XX XX Institute

- Managed administrative efforts of the NSF/NIH sponsored BBSI program, which offers state-of-the-art summer undergraduate research experiences for undergraduates. (Program started on August 2006)
- Prepared and coordinated program material such as website, online student application, organization of faculty mentors, and all recruitment efforts of the program. **Fall 2006**

Outreach Experience, XX XX Institute and State University, City, State

OutreachVolunteer, College of XX, Center for the XX of XX Diversity (CEED)

- Prepared and presented lectures to illustrate the diversity of XX research (focusing on 3 topics) by using tangible real life examples and integrating them to contemporary research for four CEED groups (high school women, pre-college incoming freshmen, freshman male engineers, freshman female XX). **Summer 2005-Present**
- Assessed (pre and post lecture) students' perceptions of XX stereotypes, their appreciation and knowledge of research, their knowledge of XX diversity, and overall impact of the experience.

Mentor/Volunteer, XX Governor's School and XX High School

- Prepared and presented lectures to illustrate the diversity of XX via use of research examples (focusing on 3 topics) by using tangible real life examples and integrating them to contemporary XX research.
- Mentored two high school women, one from each high school, in conducting independent XX research projects pertaining to two topics. **Spring 2006-Present**

PROPOSALS

Current and Funded Proposals – totaling over \$X.XX Million

(1) **NSF MRI Proposal** – “Proposal Title” – ME (PI), XX (Co-PI) – \$XXX,XXX - **Funded (Sept 2009 to Sept 2010)**

(2) **NSF CAREER Proposal** – “Proposal Title” – ME (PI) - \$XXX,XXX – **Funded (February 2009 – February 2014)**

(3) **NSF BRIGE Proposal** – “Proposal Title” – ME (PI) - \$XXX,XXX – **Funded (Aug. 2008 – July 2010)**

(4) **NSF CCLI Proposal** – “Proposal Title” – ME (PI), XX (Co-PI), XX (Co-PI), XX (Co-PI), XX (Co-PI) - \$XXX,XXX – **Funded (Jan. 2009 - Dec. 2011)**

Completed and Funded Proposals

(1) **NSF REU proposal** – “Proposal Title” – XX (PI – XX Tech), ME (Senior Personnel – Evaluator) – **Funded**

(2) **NSF REU proposal** – “Proposal Title” – XX (PI – XX Tech), ME (Senior Personnel – Evaluator) – **Funded**

(3) **Freddie Mac Proposal** – “Proposal Title” - ME (PI), XX (Co-PI), XX (Co-PI), XX (Co-PI) - \$X,XXX – **Funded (May 2008 – May 2009)**

(4) **Freddie Mac Proposal** – “Proposal Title” - ME (PI), XX (Co-PI), XX (Co-PI), XX (Co-PI), XX (Co-PI) - \$X,XXX – **Funded (May 2008 – May 2009)**

(5) **ASEE Cooperative Education Division (CED) Research Grant** – “Proposal Title” – ME (PI), XX (Co-PI), XX (Co-PI) - \$X,XXX – **Funded (May 2007 – August 2008)**

(6) **Translational Science Institute, Wake Forest University** – “Proposal Title” – XX (PI), ME (Co-PI), XX (Co-PI), XX (Co-PI) – \$XX,XXX at XX Tech – **Funded (2007-2008)**

(5) **The National Academies** - “Proposal Title” - ME (PI), XX (Co-PI), XX (Co-PI), XX Tech - \$XX,XXX – **Funded (December 2007 – January 2008)**

PUBLICATIONS

Journal Publications

XX Engineering Journal Publications

1. ME and another author. 2006, “Article Title,” *ASME Journal of Biomechanical Engineering*.

2. ME and two authors, 2004, “Article Title,” *ASME Journal of Biomechanical Engineering*.

3. ME and two authors, “Article Title,” *In Preparation*.

Engineering Education Journal Publications

1. ME and two authors. "Article Title" Under Review in the *Interdisciplinary Journal of Problem-Based Learning*.
2. ME and another author. "Article Title" *In Preparation*.
3. ME. "Author Title" *In Preparation*.

Conference Referred Publications

XXI Engineering Conference Publications (Presenter – underlined)

1. Two authors and ME, 2010, "Title," 26th Southern Biomedical Engineering Conference,.
2. ME, 2009, "Title," XX University Spotlight on Scholarship, Women's Caucus Presentation.
3. ME and two authors. 2008, "Title," XX University Faculty Research Day, Poster Session.
4. First author, ME and another author, 2008, "Title," ASME International XX Engineering Congress & Exposition.
5. Four authors, ME and five authors. 2008, "Title," Society for Cardiovascular Magnetic Resonance (SCMR) Annual Meeting.
6. *Invited Plenary Talk* – ME and another author, 2007, "Title," 5th IASME/WSEAS International Conference on Fluid Mechanics and Aerodynamics.
7. ME and three authors, 2007, "Title" *Fourth Biennial Meeting of The Society for Heart Valve Disease*.
8. ME and another author, 2007, "Title," *ASME Summer Bioengineering Conference*.
9. Two authors, ME, three authors, 2007, "Title," Deans' Forum on Health, Food, and Nutrition, XX Tech.
10. Eight authors, ME, tenth author. 2007, "Title," *ASME Summer Bioengineering Conference*.
11. ME and another author, 2006, "Title," *American Physical Society 59th Annual Division of Fluid Dynamics Meeting*.
12. Two authors and ME, 2006, "Title," *ASME Fluids Engineering Division Meeting*.
13. ME and another author, 2005, "Title," *ASME Summer Bioengineering Conference*.
14. ME and another author, 2005, "Title," *American Physical Society 58th Annual Division of Fluid Dynamics Meeting*.
15. ME and another author, 2004, "Title," Poster Session, *Biomedical Engineering Society (BMES)*

Meeting.

16. ME and two authors, 2004, "Title," *WSEAS International Fluid Mechanics Conference.*
17. ME and four authors. 2006, "Title," *2006 Summer Bioengineering Conference.*
18. First author, ME, three authors, 2006, "Title," *2006 Summer Bioengineering Conference.*
19. ME and another author, 2005, "Title," *ASME Summer Bioengineering Conference.*
20. ME and two authors, 2002, "Title," *BED-Vol. XX, ASME International Mechanical Engineering Congress and Exposition.*
21. ME and two authors, 2002, "Title," *Sixth Annual Hilton Head Prosthetic Heart Valve Workshop.*
22. First author, ME and two authors, 2002, "Title," *BED-Vol. XX, ASME International Mechanical Engineering Congress and Exposition.*
23. First Author, ME and another author, 2002, "Title," *BED-Vol. XX, ASME International Mechanical Engineering Congress and Exposition.*
24. Two authors, ME and another author, 2002, "Title," *BED-Vol. XX, ASME International Mechanical Engineering Congress and Exposition.*
25. ME and two authors, 2001, "Title," *Poster Session III XX.XX, Biomedical Engineering Society (BMES) Meeting.*
26. ME and two authors, 2001, "Title," *BED-Vol. XX, ASME International Mechanical Engineering Congress and Exposition.*
27. ME and two authors, 2001, "Title," *BED-Vol. XX, ASME Summer Bioengineering Conference.*
28. First author, ME and another author, 2001, "Title," *BED-Vol. XX, ASME Summer Bioengineering Conference.*

Engineering Education Conference Publications

1. ME and four authors, 2010, "Title," *The 40th Annual Frontiers in Education Conference.*
2. ME and four authors, 2010, "Title" *The 40th Annual Frontiers in Education Conference.*
3. First author, ME and another author, 2010, "Title," *The 40th Annual Frontiers in Education Conference.*
4. First author and ME, 2010, "Title," *The 40th Annual Frontiers in Education Conference.*
5. First author, ME and another author, 2010, "Title," *The 40th Annual Frontiers in Education*

Conference.

6. ME and another author, 2010, "Title," *ASEE Annual Conference & Exposition.*
7. First author, ME, four authors, 2010, "Title," *ASEE Annual Conference & Exposition.*
8. First author, ME, two authors, 2010, "Title," *2010 ASEE Southeast Section Conference.*
9. ME and three authors, 2010, "Title," *Annual XX University Diversity Conference.*
10. ME and four authors, 2010, "Title," *Annual Engineering Education National Science Foundation (NSF) Awardees Meeting.*
11. ME and three authors, 2010, "Title," *Annual Engineering Education National Science Foundation (NSF) Awardees Meeting.*
12. ME and four authors, 2009, "Title," *The 39th Annual Frontiers in Education Conference.*
13. First author, ME and three authors, 2009, "Title," *ASEE Annual Conference & Exposition.*
14. ME and another author, 2009, "Title," *ASEE Annual Conference & Exposition.*
15. ME and four authors, 2009, "Title," *Annual Engineering Education National Science Foundation (NSF) Awardees Meeting.*
16. ME, 2008, "Title," *ASME International Mechanical Engineering Congress & Exposition.*
17. ME and three authors, 2008, "Title," *ASME International Mechanical Engineering Congress & Exposition.*
18. Four authors and ME, 2008, "Title," *The 38th Annual Frontiers in Education Conference.*
19. First author, ME and two authors, 2008, "Title," *The 38th Annual Frontiers in Education Conference.*
20. ME and two authors, 2008, "Title," *ASEE Annual Conference & Exposition.*
21. ME and two authors, 2008, "Title," *ASEE Annual Conference & Exposition.*
22. Three authors and ME, 2008, "Title," *ASEE Annual Conference & Exposition.*
23. First author and ME, 2008, "Title," *ASEE Annual Conference & Exposition.*
24. ME and another author, 2008, "Title," *Center for the Integration of Science Education and Research (CISER) Conference.*
25. ME and two authors, 2007, "Title," *Eighteenth Annual Conference of the Australasian Association for Engineering Education.*

26. ME and another author, 2007, "Title," *ASEE Annual Conference & Exposition*.
27. ME and two authors, 2007, "Title," *ASEE Annual Conference & Exposition*.
28. First author and ME, 2007, "Title," *ASEE Annual Conference & Exposition*.
29. Two authors and ME, 2007, "Title," NSF Awardee's Meeting – Engineering Education Centers.
30. ME and another author, 2006, "Title," *ASEE Annual Conference & Exposition*.
31. ME and two authors, 2006, "Title," *2006 Summer Bioengineering Conference*.
32. ME and another author, 2005 "Title," *American Society of Engineering Education (ASEE) SE Regional Conference*.

HONORS AND ACTIVITIES

XX University Women's Caucus Spotlight on Scholarship- Invited Presentation

Advisory Board Member, Girls Exploring XX Program, XX High School, City, State

2008 Faculty Assessment Fellow- XX University Center of Assessment and Research Studies

2007 National Academy of Engineering Center for the Advancement of Scholarship on Engineering Education (CASEE) Postdoctoral Fellow

2006 College of Engineering "Graduate Student Recruitment Weekend" Invited Speaker

2005 XX Graduate Student Research Excellence Award (XX Tech)

2005 Outstanding Research Award (Graduate Student Presentation Competition), The XX Tech/XX XX University School of XX Engineering Graduate Research Symposium

2005 Graduate Teaching Assistant Commendation Award

2005 XX Scholarship (School of XX Engineering and Sciences)

XX Doctoral Fellowship (2004/2005 Academic Year, NSF sponsored fellowship)

P.E.O. Scholar, XX Guy Endowed Scholar (\$X,000)

(2003-2004, Nominated International Award, only 10% of applicants selected)

General Electric and XX Tech Graduate Fellowship Scholar (2002-2004 Academic Years)

Academic Dean's List for Teaching (Spring 2002, Fall 2002, Summer 2004)

Created by Dr. Idalis Villanueva, OITE Intern, for Dr. Lori Conlan (Presenter)

XX Center of XX Engineering Graduate Scholarship (\$X,X00) (2001-2002 Academic Year)

XX Presidential Fellowship (\$X,X00) (2001-2002 Academic Year)

Who's Who Among Students in American Universities and Colleges Award (XX, 2000-2001)

PROFESSIONAL AFFILIATIONS

American Society for Engineering Education (ASEE)

American Society of Mechanical Engineers (ASME)

System Dynamics Society (SDS)

Biomedical Engineering Society (BES)

American Physical Society (APS)

INTELLECTUAL PROPERTY DISCLOSURE

ME and three authors, "Patent Title," XX Tech Intellectual Property: XX-XXX.