

Institution: U.S. Naval Academy
Program: Systems Engineering

Date: 15 February 2012

1. Name: Sarangi P. Parikh

2. Education: BS Physics Fairfield University 1997
MS Mechanical Engineering University of Pennsylvania 2001
PhD Mechanical Engineering University of Pennsylvania 2005

3. Academic experience: USNA, Assistant Professor (2004-2005, 2008- current) - Full time
York College of Pennsylvania, Assistant Professor (2006-2008) – Full time

4. Non-academic experience: Silicon Valley Group Inc., Systems Engineer (6/1997- 8/1997) – Full Time

5. Certifications or professional registrations: none

6. Current memberships in professional organizations: ASEE

7. Honors and awards:

Invited talk at USNA Board of Visitors meeting (Faculty Spotlight), March 2011
NSF GANN Fellowship, 2002-2004
NSF Access Science Fellow, 1999-2002
Sigma Pi Sigma
Outstanding Graduate Teaching Assistant Award, Univ. of Pennsylvania, 2000

8. Service activities:

Faculty Mentor, Naval Academy Science and Engineering Conference, USNA
Plebe Advisor, USNA
Graduate School Advisor, USNA
MIT Draper/Lincoln Lab Fellowship Advisor, USNA
Member, Systems Engineering Outreach Committee, USNA
Academic Advisor, USNA
Capstone, Honors, and Independent Study Project Advisor, USNA

Mechanical Engineering New Faculty Hiring Committee, York College of PA
New Technology and Innovation Center Committee, York College of PA
Trustees Scholarship Committee, York College of PA

9. Principal publications of last five years:

- **S.P. Parikh** and J.M. Esposito, "Negative Feedback for Small Capacitive Touchscreen Interfaces: A Usability Study for Data Entry Tasks," *IEEE Transactions on Haptics*, 21 Dec. 2011. IEEE computer Society Digital Library. IEEE Computer Society
- M. Martin and **S.P. Parikh**, "Improving Mobile Robot Control: Sensory Feedback for Touch Interfaces," *IEEE International Conference on Technologies for Practical Robot Applications*, Boston, MA, April 2011.
- **S.P. Parikh**, J.M. Esposito, and J. Searock, "Audio-Visual Communication in a Two Person Gross Manipulation Task," *The Association for the Advancement of Artificial Intelligence (AAAI) 2010 Fall Symposium*, Arlington, VA, November 2010.
- M. Ruttum and **S.P. Parikh**, "Can Robots Recognize Common Marine Gestures?" IEEE Southeastern Symposium on Systems Theory, March 2010.

- **S.P. Parikh**, V. Grassi Jr., V. Kumar, and J. Okamoto Jr., "Integrating Human Inputs with Autonomous Behaviors on an Intelligent Wheelchair Platform," *IEEE Intelligent Systems*, Vol. 22, No. 2, IEEE CS Press, April 2007, pp. 33-41.

10. Professional development activities:

Attended ASEE Annual Conference, June 2011

Presented paper and attended IEEE International Conference on Technologies for Practical Robot Applications, Boston, MA, April 2011

Presented paper and attended Association for the Advancement of Artificial Intelligence (AAAI) Fall Symposium on Dialog with Robots, Arlington, VA, November 2010

Presented two papers and attended IEEE Southeastern Symposium on Systems Theory Conference, March 2010

Reviewer for conferences and journals in the field (IEEE, ICRA)