

Curriculum Vitae

Shih-Wei Wu

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Education

Sept. 2003-present, New York University, New York, USA
PhD candidate, Program: Cognition and Perception

1995-1999, National Cheng-Chi University, Taipei, Taiwan
BS in Psychology

Fellowships/Awards

Travel grant, 2005, Graduate school of Arts and Sciences,
New York University, New York, USA

Sept.2003-current, McCracken Doctoral Fellowship,
New York University, New York, USA

May 2002, Coastguard Executive Yuan, Taiwan
Distinguished Military Service Award in Psychological Counseling

Professional societies

Vision Sciences Society, Society for Neuroscience, Society for Neuroeconomics

Publications

Wu, S-W., Dal Martello, M. F., & Maloney, L. T. (in preparation). Suboptimal tradeoff of time in sequential, visually guided movements.

Wu, S-W., Maloney, L. T. (under review). Decision making under risk compared to an equivalent motor task.

Dean, M., Wu, S-W., Maloney, L. T. (2007). Trading off speed and accuracy in rapid, goal directed movements. *Journal of Vision*, 7(5):10, 1-12.

Wu, S-W., Trommershauser, J., Maloney, L. T., Landy, M. S. (2006). Limits to human movement planning in tasks with asymmetric gain landscapes. *Journal of Vision*, 6(1), 53-63.

Refereed abstracts

Wu, S-W., Maloney, L. T. (2008). Neural correlates of value and probability in decision under risk and in an equivalent motor task. Computational and Systems Neuroscience, Salt Lake City, Utah.

Wu, S-W., Dal Martello, M. F., Maloney, L. T. (2007). Performance in rapid, sequential visually-guided pointing movements. Vision Sciences Society, Sarasota, Florida, Abstract: *Journal of Vision*, 7(6), 167a.

Wu, S-W., Dal Martello, M. F., Maloney, L. T. (2006). Trajectory planning in sequential movements. Workshop: Bridging the gap between sensation and motor control: from computation to behavior, Rauschoizhausen, Germany, July, 2006.

Wu, S-W., Dean, M., Maloney, L. T. (2006). Humans trade off speed and accuracy to maximize expected gain in planning movements to targets that rapidly decreases in reward across time. Vision Sciences Society, Sarasota, Florida, Abstract: *Journal of Vision*, 6(6), 927a.

Maloney, L. T., Wu, S-W., Dal Martello, M. F. (2006). Movement planning under risk differs from decision making under risk in how subjects make use of probability information. Vision Sciences Society, Sarasota, Florida, Abstract: *Journal of Vision*, 6(6), 928a.

Wu, S-W., Maloney, L. T., Dal Martello, M. F. (2005). Planning sequences of arm-hand movements to maximize expected gain. European conference on Visual Perception, A Coruna, Spain, Abstract: *Perception (Supplement)*, 34, 23.

Wu, S-W., Maloney, L. T., Dal Martello, M. F. (2005). Movement Planning in rapid 'foraging' task: Maximization of expected value in strategy selection? Vision Sciences Society, Florida, Abstract: *Journal of Vision*, 5(8), 125a.

Wu, S-W., Trommershauser, J., Maloney, L. T., Landy, M. S. (2004). Planning rapid movements to maximize gains in scenes with multiple regions carrying reward or penalty. Vision Sciences Society, Florida, Abstract: *Journal of Vision*, 4(8), 145a.

Work experience

Sept 2006-May 2007, New York University, New York, USA
Research assistant: Dr. Laurence T. Maloney

Sept 2005-Dec 2005, New York University, New York, USA
Teaching assistant: Statistical reasoning in behavioral sciences (Dr. Elizabeth Bauer)

Sept 2004-May 2005, New York University, New York, USA
Research assistant: Dr. Laurence T. Maloney

Jan 2004-May 2004, New York University, New York, USA
Teaching assistant: Perception (Dr. Michael S. Landy)

Oct 1999-Jun 2002, The 22 Battalion, Coastguard Executive Yuan, Taiwan.
Military Service: Psychological Counseling Officer.

Other activities

July 17-July 28, 2006, Stanford University, California, USA
Stanford Summer School in Neuroeconomics

Computer skills

Extensive programming experience in Matlab, C++, OpenGL