

CURRICULUM VITA

KYONGJE SUNG, PH. D

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- **Current Immigration Status**

J-1 Visa holder (1st year as of 2007)

NOT subject to two-year home residency requirement (212(e))

- **RESEARCH INTERESTS**

Network Modeling of Mental Processes, Human Computer Interaction, & Human Factors,
Visual Search (Attention), Motion Perception

- **EDUCATION**

September 2005 to Current

Postdoctoral Fellow, Purves Lab
Center for Cognitive Neuroscience
Duke University

August 1999 to August 2005

Purdue University, West Lafayette, Indiana
PhD in Quantitative-Mathematical Psychology
Thesis: Testing of Serial Attentive Processing Assumption during Visual Search:
Implication for Search Models

March 1995 to February 1997

SungKyunKwan University, Seoul, Korea
Master of Science in Cognitive Science
Thesis: Segmentations of Korean Handwritten Characters using Mathematical
Morphology

March 1988 to August 1994

SungKyunKwan University, Seoul, Korea
Bachelor of Business Administration in Industrial and Organizational Psychology

- **SCHOLARSHIPS and AWARDS**

Awarded Purdue Research Foundation Grant, Summer, 2004 & 2005.

- **PROFESSIONAL EXPERIENCE**

Organizer of Purdue Winer Memorial Lecture Series

November 6th and 7th 2004, West Lafayette, Indiana

November 22nd and 23rd 2003, West Lafayette, Indiana

Teaching Assistant positions at Purdue University

August 2003 to May 2005: PSY 600 and 601 (Advanced Graduate Statistics),
PSY 201H (Honors Introductory Statistics)

August 2001 to May 2003: PSY500 (Introductory Graduate Statistics),
PSY201 (Introductory Statistics)

January 2001 to May 2001: PSY120 (Introduction to Psychology)

August 1999 to December 2000: PSY201 (Introductory Statistics)

Assistant for Editor of Journal of Mathematical Psychology

Summer 2002, 2003

Lectureship

Spring 1999: Kyung-in Woman's College, In-Cheon, Korea.

Courses on Office software practice.

Multimedia Game and Educational Software Content Development

April 1998 to June 1999: E-point, Co., Seoul, Korea

- **PROGRAMMING EXPERTISE**

C/C++, MATLAB, Psychophysics Toolbox for MATLAB, Visual Basic, Office software, SPSS/SAS

- **PUBLICATIONS**

Sung (under review). Serial and parallel attentive visual searches: Evidence from cumulative distribution functions of response times. Journal of Experimental Psychology: Human Perception and Performance.

Wojtach, Sung, & Purves (under review). Evidence that speed percepts are empirically determined. Journal of Cognitive Neuroscience

Schweickert, Fortin, & Sung (2007). Concurrent visual search and time reproduction with cross talk. Journal of Mathematical Psychology, 51, 99-121.

Dzhafarov, Schweickert, & Sung (2004). Mental architectures with selectively influenced but stochastically interdependent components. Journal of Mathematical Psychology, 48, 51-64.

- **MANUSCRIPTS & BOOK PREPARATION**

Sung, Wojtach, & Purves (in preparation). Empirical explanation for aperture problem.

Wojtach, Sung, & Purves (in preparation). The flash-lag effect explained empirically.

Sung (in preparation). Non-linearity in response time function in visual search: A queuing system simulation.

Schweickert, R., Fisher, D. L., & Sung, K. (book in preparation). Discovering Cognitive Structure by Selectively Influencing Mental Processes: A Guide.

Schweickert, Fortin, & Sung (2003). Parallel visual search and time reproduction: Evidence from selectively influencing processes. Technical Report No. 2003-1, Purdue Mathematical Psychology Program, West Lafayette, Indiana.

- **PRESENTATIONS**

Wojtach, W., Sung, K. & Purves, D. (2006). Is motion perception completely determined by experience with moving objects? Presented at the 6th Annual Meeting of the Vision Science Society. Sarasota, FL.

Sung, K. (2005). Distinguishing serial and parallel processing in visual search without depending on set size effect. Presented at the 5th Annual Meeting of the Vision Science Society. Sarasota, FL.

Schweickert, R. J., Fisher, D. L., & Sung, K. (2004). Basis for selective influence despite cross talk and resource sharing. Presented at the 45th Annual Meeting of the Psychonomics Society, Minneapolis, MN.

Sung, K. (2004). Parallel Visual Search: Evidence from Interaction contrasts of cumulative distribution functions of response times. Presented at the Meeting of the Society for Mathematical Psychology, Ann Arbor, Michigan.

Schweickert, R. J., Fortin, C. & Sung, K. (2003). Parallel time reproduction and visual search revealed by selective influence. Presented at the 44th Annual Meeting of the Psychonomics Society. Vancouver, Canada.

Sung, K., Schweickert, R. J., & Fortin, C. (2003). Evidence from cumulative distribution function interaction contrasts for concurrent visual search and time reproduction. Hoosier Mental Life 2003, West Lafayette, IN.

Park, C., Kwak, H., Kim, Y., Lee, J., Lee, K., Sung, K., & Lee, J. (1997). A study of information search in the internet and cognitive learning process. Proceedings of the meeting for Korean Society for Cognitive Science. Seoul, Korea.

Park, C., Kim, Y., Kwak, H., Lee, J., Sung, K., & Lee, J. (1997). Exploratory learning and user strategy in information search on the internet. Proceedings of the Annual Meeting for Korean Psychological Association. Seoul, Korea.