

Curriculum Vitae

Li Li, Ph.D.

NASA Ames Research Center, MS 262-2
Moffett Field, CA 94035-1000
Tel: (650) 604-5905; Fax: (650) 604-0255
Email: lli@mail.arc.nasa.gov

EDUCATION:

Brown University, Providence, RI (1995 - 1999)

Ph.D. in Cognitive Science

- ?? Awarded Research Fellowship from University Graduate Council: 1998-1999
- ?? Awarded University Mind & Brain Fellowship: 1995-1996
- ?? Elected to Brown University Chapter of Sigma Xi Society

State University of New York (SUNY) at Stony Brook, Stony Brook, NY (1992 - 1995)

M.A. in Cognitive Psychology. GPA: 4.0/4.0

- ?? Awarded University Graduate Scholarship: 1992-1995

Beijing University, Beijing, P. R. China (1988 - 1992)

B.Sc. in Psychology summa cum laude. Major GPA: 4.0/4.0

- ?? Awarded University Scholarship for Academic Excellence: 1991, 1992

WORK EXPERIENCE:

NASA Ames Research Center, Moffett Field, CA

Senior Research Associate (Mar. 2002 – present)

Exponent, Failure Analysis Associates, Menlo Park, CA

Human Factors Scientist (Aug. 2000 – Jan. 2002)

Schepens Eye Research Institute, Department of Ophthalmology, Harvard Medical School

Post-doctoral Research Scientist (Feb. 1999 - Jul. 2000)

Stony Brook Health Science Center, SUNY at Stony Brook

Computer Consultant (Aug. 1994 - Jun. 1995)

Department of Psychology, SUNY at Stony Brook

Research Advisor for MWRAP/REU Program (Summer, 1993 & 1994)

Department of Psychology, Beijing University

Undergraduate Research Associate (Jun. 1991 - Jul. 1992)

GRANTS:

Co-investigator and author, *Tri-field Lens Correction for Binocular Tunnel-Vision Patients*, 2000, Joint Clinical Research Center of Schepens Eyes Research Institute and Massachusetts Eye and Ear Infirmary, \$34,963.

Investigator and co-author, *Engineering Approaches to Low Vision Rehabilitation*, 2000-2005, Department of Health and Human Services Bioengineering Research, NIH, \$6,213,033.

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PAPERS:

- Li, L., Sweet, B. T., & Stone, L. S. Effect of contrast on the active control of a moving line. To be submitted to *Journal of Neurophysiology*.
- Li, L., Sweet, B. T., & Stone, L. S. Effect of isoluminance on visuomotor control task. To be submitted to *Human Factors*.
- Li, L., & Warren, W. H. (Accepted). Path perception during rotation: Influence of instructions, depth range and dot density. *Vision Research*.
- Li, L., Peli, E., & Warren, W. H. (2002). Heading perception in patients with advanced retinitis pigmentosa. *Optometry and Vision Science*, 79(9), 581-589.
- Li, L., & Warren, W. H. (2002). Retinal flow is sufficient for steering during observer rotation. *Psychological Science*, 13(5), 485-491.
- Li, L., Chang, P. B., Ayres, T. J., & Wood, C. T. (2001). Usability evaluation for product safety. In: *Proceedings of the Make it Easy 2001, IBM's Conference on Ease of Use*, San Jose, CA.
- Li, L., Nugent, A. K., & Peli, E. (2000). Recognition of jagged (pixelated) letters in the periphery. *Visual Impairment Research*, 2(3), 143-154.
- Li, L., & Warren, W. H. (2000). Heading perception during rotation: Sufficiency of dense motion parallax and reference objects. *Vision Research*, 40, 3873-3894.
- Li, L., & Warren, W. H. (1997). Heading perception during combined observer translation and rotation. In M. A. Schmuckler and J. M. Kennedy (Ed.), *Studies in Perception and Action* (pp. 319-322). Mahwah, NJ: Lawrence Erlbaum Associate.
- Arndt, S., Ayres, T. J., Li, L., Wood, C. T., & Young, D. (2001). Human factors in product recall planning. In: *Proceedings of the 6th Annual International Conference on Industrial Engineering Theory, Applications and Practice*, San Francisco, CA.
- Ayres, T. J., Li, L., Young, D., & Trachtman, D. (2002). Passenger-side rear-view mirrors: Driver behavior and safety. In: *Proceedings of the 3rd International Cyberspace Conference on Ergonomics* (pp. 1-9).
- Ayres, T. J., Li, L., Schleuning, D., & Young, D. (2001). Preferred time-headway of highway drivers. *2001 IEEE Intelligent Transportation Systems Conference Proceedings* (pp. 827-830), Oakland, CA.
- Wang, L., Zhang, L., & Li, L. (1994). Ability and development of facial expression recognition in infancy. *Beijing Psychological Bulletin*, 2(2), 169-175.

INVITED TALKS

- Li, L. (Oct. 2001). Heading perception and active control of self-motion during translation and rotation. Invited talk at the Department of Psychology, Peking University, Beijing, China.
- Li, L. (Apr. 2000). Heading perception of patients with Retinitis Pigmentosa. Invited talk at the Department of Biomedical Engineering, Boston University, Boston, MA.

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ABSTRACTS AND CONFERENCE PRESENTATIONS:

- Li, L., Sweet, B. T., & Stone, L. S. (2003). Effect of isoluminance on visuomotor control task. Presented at *the 13th Annual Meeting on Neural Control of Movement*, Santa Barbara, CA. April 22-27, 2003.
- Li, L., Sweet, B. T., & Stone, L. S. (2003). Effect of contrast on the active control of a moving line. Presented at *the 3rd Annual Meeting of Vision Science Society*, Sarasota, FL. May 9-14, 2003.
- Li, L., Sweet, B. T., & Stone, L. S. (2002). Active control of a visual moving edge. Presented at *the Society of Neuroscience 32nd Annual Meeting*, Orlando, FL. Nov. 2-7, 2002.
- Li, L., Peli, E., & Warren, W. H. (2000). Heading perception of tunnel-vision patients. *Investigative Ophthalmology and Visual Science*, 41(4), S797.
- Nugent, A. K., Li, L., & Peli, E. (2000). Are jagged letters easier to recognize than smooth letters in the periphery? *Investigative Ophthalmology and Visual Science*, 41(4), S437.
- Li, L., & Warren, W. H. (1999). Active control of steering during translation and rotation. *Investigative Ophthalmology and Visual Science*, 40(4), S799.
- Li, L., & Warren, W. H. (1999). Active control of steering with simulated eye rotation. Presented at *Pre-Eastern Psychological Association Annual Meeting Workshop on Vision*, Providence, RI.
- Li, L., & Warren, W. H. (1998). Ambiguity of the flow field during simulated rotation: Influence of instructions and fixation. *Investigative Ophthalmology and Visual Science*, 39(4), S1085.
- Warren, W. H., & Li, L. (1998). Perception of heading during simulated rotation: Influence of dot density and depth range. *Investigative Ophthalmology and Visual Science*, 39(4), S893.
- Li, L., & Warren, W. H. (1997). Effects of motion parallax and reference objects on heading perception during translation and rotation. *Investigative Ophthalmology and Visual Science*, 38(4), S79.
- Li, L., & Warren, W. H. (1997). Perceiving heading during translation and rotation. Presented at *International Conference on Vision and Action*, York University, Canada.
- Warren, W. H., Li, L., Ehrlich, S. M., & Bank, M. S. (1997). Is perception of heading during simulated rotation based on radial foreground flow? *Investigative Ophthalmology and Visual Science*, 38(4), S482.
- Warren, W. H., Li, L., Ehrlich, S. M., Crowell, J. A., & Bank, M. S. (1996). Perception of heading during eye movements uses both optic flow and eye position information. *Investigative Ophthalmology and Visual Science*, 37(3), S68.
- Franklin, N., & Li, L. (1995). Representational momentum and mental extrapolation about parabolic motion. In: *Proceedings of the Sixty-sixth Eastern Psychological Association Annual Meeting* (pp. 29). Glassboro, NJ: EPA.
- Li, L., & Franklin, N. (1994). Indirect tasks and implicit knowledge about projectile motion. In: *Proceedings of the Sixty-fifth Eastern Psychology Association Annual Meeting* (pp. 39). Glassboro, NJ: EPA.
- Li, L., & Franklin, N. (1994). Animation and perceptual knowledge about projectile trajectories. Presented at *First Annual Workshop on Object Perception and Memory*, St. Louis, MO.

Kerwin, S., Li, L., & Franklin, N. (1993). The effects of induced frames of reference on predictions about motion. Presented at *REU/MWRAP Symposium*, SUNY at Stony Brook, NY.

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TEACHING EXPERIENCE:

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| Fall, 1997 | Teaching Assistant
"Vision-From Brain to Behavior" (Instructor: Michael Tarr)
Brown University |
| Spring, 1997 | Teaching Assistant
"Decision Making" (Instructors: Steven Sloman; Leslie Kaelbling)
Brown University |
| Spring & Fall, 1995 | Session Instructor
"Statistics for the Behavioral Sciences"
SUNY at Stony Brook |
| Fall, 1994 | Teaching Assistant
"Human Brain Function" (Instructor: Suparna Rajaram)
SUNY at Stony Brook |
| Spring, 1994 | Teaching Assistant
"Cognitive Psychology" (Instructor: Nancy Franklin)
SUNY at Stony Brook |
| Fall, 1993 | Teaching Assistant
"Psychology of Work" (Instructor: Ron Friend)
SUNY at Stony Brook |
| Spring, 1993 | Teaching Assistant
"Introductory Psychology" (Instructor: Nancy Franklin)
SUNY at Stony Brook |