

CURRICULUM VITAE

PETER ULRIC TSE

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PERSONAL DATA

Born in Manhattan, NYC, 10/28/62

Married 1998; 2 children

Personal interests: learning languages, gardening, writing, most outdoors activities

EDUCATION

1/1999 – 9/2001 POST-DOC in fMRI lab of Dr. Nikos Logothetis,
Max Planck Institute for Biological Cybernetics, Tuebingen, Germany

9/1993 – 12/1998 PH.D. IN EXPERIMENTAL PSYCHOLOGY
Harvard University (December, 1998)
Advisors: Drs. Patrick Cavanagh and Ken Nakayama
Thesis: “Volumes and visual completion”

1/1992 – 8/1993 SPECIAL STUDENT IN PSYCHOLOGY
Harvard University (preparatory courses for graduate school)

1987 “STUDIUM OHNE ABSCHLUSS” IN PHILOSOPHY OF MIND
University of Konstanz, Germany

1980 – 1984 B.A. IN PHYSICS AND MATHEMATICS
Dartmouth College
Advisor: Prof. Joe Harris
Sr. Fellowship Thesis: “Time, complexity, and randomness in nature”

SELECTED AWARDS AND HONORS

1999 – 2001 McDonnell-Pew training grant 98-49CNS in cognitive neuroscience

1995 –1996 Harvard William James Fellowship

1983 –1984 Senior Fellow, Dartmouth College

TEACHING EXPERIENCE

- 2001 – Assistant Professor at Dartmouth College
- 1995 and 1996 Teaching Fellow for Dr. Ken Nakayama, Harvard University
“The Rediscovery of Consciousness” undergraduate seminar
- 1995 Teaching Fellow for Drs. Patrick Cavanagh and Ken Nakayama, Harvard University. “Vision and Brain” undergraduate core course
- 1994 Teaching Fellow for Drs. Patrick Cavanagh and Ken Nakayama, Harvard University. “Vision and Brain” undergraduate core course
- 1988 – 1991 Language Teacher, Kobe Steel Corporation, Japan
- 1984 – 1986 Elementary School Science Teacher, Peace Corps volunteer, rural Nepal

FOREIGN LANGUAGES

Advanced: Japanese, German
Intermediate: Nepali, Spanish, Mandarin

SCIENTIFIC PUBLICATIONS

- Tse, P. U., Rivest, J., Intriligator, J. and Cavanagh, P. (2002). Attention and the subjective expansion of time. Under review.
- Tse, P. U. (2002). Volume formation from cross-sectional cues provided by the occluding contour. Chapter in book *Three-dimensional Shape Perception* ed. by Qasim Zaidi, Springer Verlag. In press.
- Tse, P. U., Sheinberg, D. L., and Logothetis, N. K. (2002). Attentional enhancement opposite a peripheral flash revealed by change blindness. *Psychological Science*, In press. Slated for the November 2002 issue.
- Tse, P. U., Sheinberg, D. L., and Logothetis, N. K. (2002). Fixational eye movements are not affected by abrupt onsets that capture attention. *Vision Research*, In press.
- Tse, P. U. and Logothetis, N. K. (2002). The duration of 3-D form analysis in transformational apparent motion. *Perception & Psychophysics*. In press.

- Tse, P. U. (2002). A contour propagation account of surface filling-in and volume formation. *Psychological Review*, 109, 1, 91-115.
- Kristjansson, A. and Tse, P. U. (2001). Curvature discontinuities are cues for rapid shape analysis. *Perception & Psychophysics*, 63, 390-403.
- Tse, P. and Cavanagh, P. (2000). Chinese and Americans see opposite apparent motion in a Chinese character. *Cognition*, 74, B27-B32.
- Tse, P. (2000). The sawtooth illusion. *Perception*. 29(7), 874-876.
- Holcombe, A. O., Intriligator, J., & Tse, P. U. (2000). The spokes illusion originates at an early motion processing stage. *Perception & Psychophysics*, 62(8), 1619-1624.
- Albert, M. and Tse, P. (2000). The role of surface attachment in perceived volumetric shape. *Perception*, 29, 409-420.
- Tse, P. U. (1999). Volume completion. *Cognitive Psychology*, 39, 37-68.
- Tse, P. U. (1999). Complete mergeability and amodal completion. *Acta Psychologica*, 102, 165-201.
- Holcombe, A. O., Macknik, S. L., Intriligator, J., Seiffert, A. E., and Tse, P. U. (1999). Wakes and spokes: New motion-induced brightness illusions. *Perception*, 28, 10, 1231-1242.
- Tse, P. and Albert, M. (1998). Amodal Completion in the absence of image tangent discontinuities. *Perception*, 27, 455-464.
- Tse, P. (1998). Illusory volumes from conformation. *Perception*, 27, 8, 977-994.

Tse, P., Cavanagh, P., and Nakayama, K. (1998). The role of parsing in high-level motion processing. *High-level motion processing - Computational, neurobiological and psychophysical perspectives*. Watanabe, T. (Ed.). MIT Press, pp. 249-266.

BOOKS

PSYCHOLOGY

2003? Tse, P. U. "The visual perception of three-dimensional form"
Under contract to MIT Press

LANGUAGE

1995 Tse, P. and Nakazawa, S. "Sing Japanese"
Kodansha International Publishers, Tokyo, New York

1993 Tse, P. "Kansai Japanese"
Charles E. Tuttle Publishers, Tokyo, Brattleboro

1990 – 1993 Tse, P. Three books in Japanese on how to speak English

OTHER

1996 Tse, P., Gray, J., and Pasquale (Eds.). *Harvard Vision: Student Essays on Our Collective Future*, Vol. IV, 250 pp.