

DONGYUAN DEBBIE WANG

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EDUCATION

**May 2001 – August, 2004: Doctor of Philosophy in Psychological Sciences
Purdue University, West Lafayette, IN**

**August 1998 – May 2001: Master of Science in Psychological Sciences
Purdue University, West Lafayette, IN**

**July 1988 – August 1992: Bachelor in Civil Engineering
Jilin University, Changchun, JiLin, China**

TEACHING EXPERIENCE

Assistant Professor in University of North Florida

**Research Method
Cognitive Psychology
Human Sensory Processing**

Graduate Instructor in Purdue University

Sensation and Perception (Summer 2004)

Teaching Assistant in Purdue University

**Human Factors in Engineering (Fall 2001, Fall 2003,
Spring 2004)**

Teaching Assistant in Purdue University

**PSY 500 - Statistical Methods Applied to Psychology,
Education, and Sociology (Spring 2001)**

Teaching Assistant in Purdue University

**PSY 201 – Introduction to Quantitative Topics in Psychology I
(Summer 2000, Fall 2000)**

Teaching Assistant in Purdue University

**PSY 120 - Elementary Psychology (Fall 1998, Spring 1999, Fall
1999, Spring 2000)**

RESEARCH EXPERIENCE

My research interests include basic and applied aspects of human information processing and human performance. Specific areas of interest include:

Attention and Multiple-Task Information Processing
Information Processing in Action Selection and Stimulus-Response Compatibility

Human Factors

Human Factors and Human-Machine Interaction
Human Performance and In-Vehicle Information Systems
Usability Testing

- Aug 2004 – Present: Assistant Professor**
University of North Florida, Jacksonville, FL
- Aug 2002 – Aug 2004: Project Research Assistant**
Purdue University, West Lafayette, IN: Sponsored by Ford Motor Company (with Dr. R.W. Proctor & Dr. D. F. Pick)
- Aug 1998 – Aug 2003: Graduate Research Assistant**
Purdue University, West Lafayette, IN
- Aug 1996 – May 1998: Visiting Research Scholar**
Purdue University, West Lafayette, IN
- Aug 1992 – Aug 1996: Highway/Traffic Engineer**
Jilin Province Institute of Traffic, Changchun, JiLin, China

PUBLICATIONS, CONFERENCE PRESENTATIONS, AND POSTERS

- Wang, D. Y.**, Proctor, R. W., & Pick, D. F. (2005). Combined action effects determine the direction and size of the Simon effect with wheel-rotation responses. Manuscript submitted.
- Pick, D. F., **Wang, D-Y. D.**, Proctor, R. W., & Patel, D. (2005). Dead pedal and the perception of continuously variable transmission performance. *SAE Technical Paper Series: Transmissions and Drivelines Symposium – 4WD/AWD (SP-1979)*. 2005 SAE International.
- Proctor, R. W., **Wang, D-Y. D.**, & Pick, D. F. (2004). Stimulus-response compatibility with wheel-rotation responses. *Psychological Bulletin & Review*, *11*(5), 841-847.
- Wang, D-Y. D.**, Proctor, R. W., & Pick, D. F. (2003). The Simon effect with wheel-rotation responses. *Journal of Motor Behavior*, *35*(3), 261-273.
- Wang, D-Y. D.**, Proctor, R. W., & Pick, D. F. (2003). Stimulus-response compatibility effects on warning signals and steering responses. *Proceedings of the 2nd International Driving Symposium on Human factors in Driver Assessment, Training and Vehicle Design*. Park City, UT.
- Wang, D-Y. D.**, Pick, D. F., & Proctor, R. W. (2001). Performance on cue recognition and evasive action skills as predictors of effective driving in college-age drivers. *Proceedings of the 1st International Driving Symposium on Human factors in Driver Assessment, Training and Vehicle Design*. Aspen, CO.

Proctor, R. W., **Wang, D-Y. D**, Pick, D. F. (1998). An empirical evaluation of the SYNWORK1 multiple-task work environment. *Behavior Research Methods, Instruments, & Computers*, 30(2), 287-305.

Conference Presentations:

Wang, D-Y. D, Pick, D. F., , Proctor, R. W., Cho, Y. S., & Patel, D. (2006). **Contribution of Sound to Perception of CVT Performance**. Submitted to *the Society of Automotive Engineers 2006 World Congress Exhibition*, Dearborn, MI.

Pick, D. F., **Wang, D-Y. D**, Proctor, R. W., & Patel, D. (2005). Dead pedal and the perception of continuously variable transmission performance. *Presented in the Society of Automotive Engineers 2005 World Congress Exhibition*, Dearborn, MI.

Wang, D-Y. D., Proctor, R. W., & Pick, D. F. (2003). Stimulus-response compatibility effects on warning signals and steering responses. *Presented in the 2nd International Driving Symposium on Human factors in Driver Assessment, Training and Vehicle Design*. Park City, UT.

Wang, D-Y. D., Proctor, R. W., & Pick, D. F. (2003). Stimulus-response compatibility with wheel-rotation responses. *Presented in Hoosier Mental Life 2003*, West Lafayette, IN.

Conference Poster Presentations:

Wang, D-Y. D., Proctor, R. W., & Pick, D. F. (2005). Combined action effects determine the Simon effect obtained with wheel-rotation responses. 46th *Annual Meeting of the Psychonomic Society*, Toronto, Ontario, Canada

Wang, D-Y. D., Proctor, R. W., & Pick, D. F. (2002). The Simon effect with wheel-rotation responses. 43rd *Annual Meeting of the Psychonomic Society*, Kansas City, MO.

Wang, D-Y. D., Pick, D. F., & Proctor, R. W. (2001). Performance on cue recognition and evasive action skills as predictors of effective driving in college-age drivers. *Proceedings of the 1st International Driving Symposium on Human factors in Driver Assessment, Training and Vehicle Design*. Aspen, CO.

PROFESSIONAL ORGANIZATIONS

Human Factors and Ergonomic Society, 2003-present
American Psychological Society, 2004-present