

Chen Ling

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RESEARCH INTERESTS

Information Technology
Cognitive Engineering
Information Ergonomics

Human-Computer Interaction
Usability Evaluation
Usability of Mobile Devices

EDUCATION

Ph. D. in Industrial Engineering (Expected December 2005) Purdue University, West Lafayette, IN.
Area of concentration: Human-Computer Interaction; GPA: 4.0/4.0
Dissertation: Advances in Heuristic Usability Evaluation Method
Advisor: Dr. Gavriel Salvendy

M. S. in Industrial/System Engineering (December 2000) North Carolina A& T State University, Greensboro, NC; GPA: 3.91/4.0
Thesis: Multiple Neural Networks and Fuzzy Integral for Human Signal Analysis: An Application to Mental Workload Classification

B. S. in School of Business Management (July 1996)
Beijing University of Aeronautics and Astronautics, Beijing, China
Ranked first place in the class of 33 students

EXPERIENCE

Instructor (Fall 2005)

In School of Industrial Engineering, University of Oklahoma for the following courses:

- Engineering Design of Experiment
- Research Methodology

Teaching Assistant (Fall 2001-Spring 2005)

in School of Industrial Engineering, Purdue University for the following courses:

- Computing in Industrial Engineering
- Work Analysis and Design
- Engineering Economy
- Manufacturing Process

Research Assistant (Fall 1998-spring 2001)

In School of Industrial/System Engineering, North Carolina A&T State University

System Engineer (Fall 1996-Summer1998)

In China National Aero-Technology Import & Export Corporation, Shanghai, China

OTHER EXPERIENCE

Reviewer (2003-present) Behaviour and Information Technology

PROFESSIONAL MEMBERSHIPS AND PROGRAMS

Human Factors and Ergonomics Society (HFES) Member

HONORS, AWARDS AND APPOINTMENTS

Recipient of Purdue Research Foundation Fellowship, summer of 2002, 2003

Renning Scholarship, First place, three times, 1992-1995

Dean's list for four years in Beijing University of Aeronautics and Astronautics, 1991-1995

PUBLICATIONS

Ling, C., "Taguchi method for ergonomics design". 2nd Edition of International Encyclopedia of Ergonomics and Human Factors, (Editor: W. Karwowski), In Press.

Ling, C., Hwang, W., & Salvendy, G., "A survey of what customers want in a cell phone design", Behavior and Information Technology, In Press.

Ling, C., Hwang, W., & Salvendy, G., "User Satisfaction with Five New Cell Phones Features: Effect of Ethnic and Gender", Universal Access in the Information Society, In Press.

Ling, C., & Salvendy, G., "Improving the Heuristic evaluation Method: A Review and Reappraisal", Ergonomia, In Press.

Ling, C., & Hwang, W. (2005). "User satisfaction of five new cell phone features", Proceedings of HCI International 2005, Las Vegas, Nevada, 22-27 July, 2005.

Ling, C., Ntuen, C. A., Stanfield, P., & Li, R., (2001) "Performance comparison of classification algorithms for mental workload modeling." Proceedings of Institute of Industrial Engineers (IIE) Annual Conference 2001, Dallas, Texas, 20-23 May, 2001.

Ling, C., Goins, H., Ntuen, A., & Li, R., (2001) "EEG signal analysis for human workload classification." Proceedings of IEEE Southeast Conference 2001, Clemson, SC. 30 March-1 April 2001, pp. 123-130.

Ling, C., & Ntuen, C. A. (2000). "Mental workload classification using combined fusion scheme and multiple neural networks on electroencephalogram data". Technical Report #: IHMS-2000-001/NCAT. The Institute for Human Machine Studies, North Carolina A&T State University.

Ntuen, C. A., Li, R., Goins, H., and & Ling, C. (1999). "A neural network model for human workload simulation in a complex human-machine system." Technical report #: IHMS-1999-003/USAF. The Institute for Human Machine Studies, North Carolina A&T State University.