

Curriculum Vitae



Associate Professor Chui Yoon Ping

Head, Human Factors in Safety Programme

School of Science and Technology

Tel : +65 6248 9251

Education Qualifications

2001	Postgraduate Diploma of Teaching in Higher Education (PGDipTHE), National Institute of Education, Nanyang Technological University, Singapore Masters in Sociology (Counselling), University of South Australia, Australia.
1994	PhD, Human Computer Interaction, Loughborough University of Technology, UK
1989	BSc.(Hons), Ergonomics, Loughborough University of Technology, UK

Academic and Professional Experience

1999 - 2007	Assistant Professor, School of Mechanical & Aerospace Engineering, Nanyang Technological University (NTU), Singapore
2005 - 2007	Assistant Chair, Alumni, NTU, Singapore
2001 - 2007	Deputy Director, Centre for Human Factors and Ergonomics, NTU, Singapore
1995 - 1999	Research Scientist, Defence Medical Research Institute (now Defence Medical & Environmental Research Institute, Defence Science Organisation), Singapore

Memberships and Professional Activities

- Member, Human Factors and Ergonomics Society (HFES), US
- Member, Ergonomics Society of Singapore (ESS), Singapore

Consultation and Executive Experience

- MobileOne Singapore Pte Ltd: Usability evaluation of WAP interfaces
- Laryngeal Mask Company (S) Pte Ltd: Interface design
- Hewlett Packard (Singapore) Pte Ltd: Mobile device evaluation
- Singapore Technologies Kinetics Ltd: Mental workload assessment

Research Interests

- Situational Awareness in Complex Environment
- Team Situation Awareness and Team performance in complex environment
- Usability of Mobile Systems
- Human Computer Interaction and Cooperation
- Knowledge Management of Team in Product Design

Selected Publications

- Ketut Sulistyawati, Christopher D. Wickens, Yoon Ping Chui, (2011). Prediction in Situation Awareness: Confidence Bias and Underlying Cognitive Abilities. *The International Journal of Aviation Psychology*. Volume 21, Issue 2, 2011, Pages 153 – 174
- Sulistyawati, K., Chui, Y.P., & Wickens, C. D, (2009). Exploring the concept of team situation awareness in a simulated air combat environment. *Journal of Cognitive Engineering and Decision Making*, Volume 3, Number 4, Winter 2009.
- Sulistyawati, K., Chui, Y.P. (2009) Confidence Bias in Situation Awareness. *Proceedings of 8th International Conference, EPCE 2009, Held as Part of HCI International 2009, San Diego, CA, USA, July 19-24, 2009, Lecture Notes in Computer Science (LNCS) Engineering Psychology and Cognitive Ergonomics*, Volume 5639/2009, Springer Berlin / Heidelberg.
- Sulistyawati, K., Chui, Y.P., & Wickens, C,D (2008). Multi-method Approach to Team Situation Awareness. Presented at Human Factors and Ergonomics Society's 52nd Annual Meeting, September 22-26, New York, US
- Sulistyawati, K., Chui, Y.P., & Wickens, C,D (2008). Multi-method Approach to Team Situation Awareness. To be presented at Human Factors and Ergonomics Society's 52nd Annual Meeting, September 22-26, New York, US.
- Qiu, Y. F., Chui, Y. P., Helander M. G. (2008). A cognitive understanding of knowledge processing and modeling in design. *Journal of Knowledge Management*, Volume 12, No 2, pp 156-168.
- Chui, Y.P., Lee, S.G.G., and Helander, M. (2005) Usability of WAP portal – A case study. *International Journal of Product Development (IJPD): Special Issue on Customer-Oriented Collaborative Product Development in Global Manufacturing*, 2005, Vol 2, Issue 4, pp 386-410.

Updated on 27 January 2012