Curriculum Vitae

Dr Teo Leong Hwee

Senior Lecturer

College of Interdisciplinary and Experiential Learning

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Education Qualifications

2011	PhD in Human-Computer Interaction, Carnegie Mellon University, USA
1999	Master of Human-Computer Interaction, Carnegie Mellon University, USA
1999	Bachelor of Science in Computer Science and Human-Computer Interaction with University Honours, Carnegie Mellon University, USA

Academic and Professional Experience

2022 - 2022	Associate Faculty, School of Science & Technology, Singapore University of Social Sciences
2020 - 2021	Principal Scientist and Acting Deputy Director, Human Performance, Interaction and Teaming, Human Factors and Simulation Centre of Expertise, Home Team Science and Technology Agency, Singapore
2018 - 2022	Adjunct Assistant Professor, Information Systems Technology and Design, Singapore University of Technology and Design
2012 - 2012	Visiting Scientist, U.S. DoD – Singapore MINDEF Engineer and Scientist Exchange Program, U.S. Air Force Research Laboratory
2011 - 2020	Senior Member of Technical Staff, Applied Behavioural and Cognition Laboratory, DSO National Laboratories, Singapore
2006 - 2006	Graduate Research Intern, User Interface Research Group, Palo Alto Research Centre, USA
2003 - 2005	Senior Member of Technical Staff, Human Factors Engineering Programme, DSO National Laboratories, Singapore
2000 - 2003	Research Engineer, Human Factors Engineering Programme, Defence Science and Technology Agency, Singapore

2000 - 2000	Member of Technical Staff, Informatics Laboratory, Centre for Decision Support, DSO National Laboratories, Singapore

Memberships and Professional Activities

2020 - 2020	Member of Scientific Committee for Joint Congress of the Asian Council of Ergonomics and Design and the Southeast Asian Network of Ergonomics Societies
2016 - 2016	Reviewer for ACM International Joint Conference on Pervasive and Ubiquitous Computing
2014 - 2016	Reviewer for International Journal of Human-Computer Studies
2014 - 2016	Reviewer for ACM SIGCHI Conference on Human Factors in Computing Systems
2014 - 2014	Reviewer for 3rd International Conference of the Southeast Asian Network of Ergonomics Societies
2013 - 2013	Associate Chair for ACM SIGCHI Conference on Human Factors in Computing Systems

Consultancy and Executive Experience

2023 - 2024	Consultant on Task Network Modelling, DSO National Laboratories, Singapore

Research Interests

- Human-Computer Interaction (HCI)
- Cognitive Modelling
- User Experience (UX)

Selected Publications

- Teo L.-H. and Ang G. W.-Y. (2018) Modelling the Effect of Time-on-Task Fatigue in Prolonged Driving. *Proceedings of the 16th International Conference on Cognitive Modelling* (pp. 168-173). Madison, WI: University of Wisconsin.
- Teo L.-H., Chen K. and Lee K.-H. (2014) Extending the Flow Model to represent a large complex team using Sub-flow Models. *Proceedings of the 3rd Southeast Asian Network of Ergonomics Societies International Conference 2014*, Singapore.
- Teo, L., John, B. E. and Blackmon M. H. (2012) CogTool-Explorer: a model of goal-directed user exploration that considers information layout. *SIGCHI Conference on Human Factors in Computing Systems (CHI 2012)*. ACM, New York, NY, USA, 2479-2488.
- Teo, L. and John, B. E. (2011) The Evolution of a Goal-Directed Exploration Model: Effects of Information Scent and GoBack Utility on Successful Exploration. *Topics in Cognitive Science, 3*: 154–165. [Siegel-Wolf Award for Best Applied Paper at the 10th International Conference on Cognitive Modelling]
- Teo L. and John B. E. (2008) Towards a Tool for Predicting Goal-directed Exploratory Behaviour. *Proceedings of the Human Factors and Ergonomics Society 52nd Annual Meeting* (pp. 950-954). Santa Monica, CA: Human Factors and Ergonomics Society.

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