Cheng-Jhe (Robert) Lin's Publication List

- **Journal Papers**

1. **Lin, C. -J.** & Wu, C*., 2015. Predicting Numerical Data Entry Errors by Classifying EEG Signals with Linear Discriminant Analysis. *Behaviour & Information Technology*, *34(8), 787-798.* [SCI]

2. **Lin, C. -J.**, Wu, C*. & Chaovalitwongse, W.A., 2015. Predicting Human Errors in Numerical Typing by Integrating Human Behavior Modeling and Data Mining Techniques. *IEEE Transactions on Human-Machine Systems, 45(1), 39-50.* [SCI]

3. **Lin, C. -J.** & Wu, C*., 2013. Reactions, Accuracy and Response Complexity of Numerical Typing on Touchscreens. *Ergonomics, 56(5), 818-831.* [SCI]

4. **Lin, C.-J.**, & Wu, C*., 2012. Mathematically modelling the effects of pacing, finger strategies and urgency on numerical typing performance with queuing network model human processor. *Ergonomics, 55(10), 1180-1204.* [SCI]

5. **Lin, C. -J.** & Wu, C*., 2011. Factors affecting numerical typing performance of young people in a hear-and-type task. *Ergonomics, 54(12), 1159-74.* [SCI]

6. Wang, S., **Lin, C. -J.**, Wu, C*. & Chaovalitwongse, W.A., 2011. Early Detection of Numerical Typing Errors Using Data Mining Techniques. *IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, PP (99), 1-14.* [SCI, EI]

7. **Lin, C. -J.** & Wu, C*., 2011. Improved Link Analysis Method for User Interface Design - Modified Link Table and Optimisation-based Algorithm. *Behaviour & Information Technology, 29(2), 199-216.* [SCI]

- **Conference Proceedings**

1. **Lin, C. –J*,** 2014. Investigating Effects of Task-related Factors in Pinch Gestures for Multi-touch Applications (Accepted). *in Proceedings of the 2014 Human Factors and Ergonomics Society Annual Meeting, Chicago, Illinois.*

2. **Lin, C. –J* &** & Wu, C., 2014. Integrating Behavior Modeling with Data Mining to Improve Human Error Prediction in Numerical Data Entry (Accepted). *in Proceedings of the 2014 Human Factors and Ergonomics Society Annual Meeting, Chicago, Illinois.*

3. **Lin, C. –J*,** 2014. Integrating Behavior Modeling with Data Mining to Improve Human Error Prediction in Numerical Data Entry (Accepted). *in*

Proceedings of the 55th Human Factors and Ergonomics Society Annual Meeting, Las Vegas, USA.

4. **Lin, C. –J*, Lee, T. –T., Lin, C. Joe, Huang, Y. –C. & Chiu, J. -M.**, 2013. Establishing Interaction Specifications for Online-to-Offline (O2O) Service Systems, *in Proceedings of the Institute of Industrial Engineers Asian Conference 2013, Taipei, Taiwan.*

5. **Lin, C. -J**. & Wu, C*., 2011. Performance of Skilled Typists as a Function of Pacing, Response Complexity and Urgency in Numerical Hear-and-type Tasks. *in Proceedings of the 55th Human Factors and Ergonomics Society Annual Meeting, Las Vegas, USA.*

6. **Lin, C. -J**. & Wu, C*., 2009. Detecting Typing Errors in a Numerical Typing Task with Linear Discriminant Analysis of Single Trial EEG. *in Proceedings of the 53rd Human Factors and Ergonomics Society Annual Meeting, San Antonio, USA.*

7. **Lin, C. –J*.**, Li, S. & Shin, G., 2009. Effects of Low Back Flexibility on Muscle Activities during Weight Holding. *in Proceedings of the 53rd Human Factors and Ergonomics Society Annual Meeting, San Antonio, USA.*

8. **Lin, C. –J*.**, Yu, W. & Wu, C., 2008. Improving Link Analysis Method in User Interface Design Using a New Computational Optimization Algorithm. *in Proceedings of the 52nd Human Factors and Ergonomics Society Annual Meeting, New York, USA.*

9. **Lin, C. -Z.***, 2003. A Foot Shape Analysis Method Using Automatic Recognition of Significant Points. *in Proceedings of the 5th ROC Symposium on Reliability and Maintainability, Taichung, Taiwan.*

10. Lin, C. -H., Du, S. H., & **Lin, C. -Z.***, 2002. The Development of Functional Evaluation Index of Electronic Full-text Database on Network. *in Proceedings of the 4th Asia-Pacific Conference on Industrial Engineering and Management Systems, (APIEMS'2002), Taipei, Taiwan.*

- **Technical Report**

1. Chao, C. C., Tseng F. Y., **Lin, C. -Z.***, & Lin, Y. Y., 2006. Research in applications of human factors engineering to improve effectiveness of operations on human-machine interfaces of military combat systems. *Technical report prepared by CSIST for annual internal auditing from Executive Yuan of Taiwan.* (in Chinese)

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