

The 2nd International Conference on Ambient Intelligence and Ergonomics in Asia (AmI&E 2015)

Session I

Chair: Min-Chi Chiu

13:30~13:45	An eco-pleasurable design by integrating TRIZ and eco-efficient approaches Shiaw-Tsyr Uang, Cheng-Li Liu
13:45~14:00	An Ergonomics Study on VDT Workstation Evaluation of Telephone Customer Service Workers Chien-Hsin Yang, Swei-Pi Wu
14:00~14:15	Effect of illumination and object size on reach to grasp movement for the elderly adults Kuo-An Wang, Min-Chi Chiu, Hsin-Chieh Wu
14:15~14:30	Study on the relation between 3D arch change and weight loading Chun-Shih Cheng, Yu-Cheng Lin, Chung-Pin Chen, Hsin-Chieh Wu
14:30~14:45	Effects of characteristics of cues on perception for the elderly in 3D environments Cheng-Li Liu, Shiaw-Tsyr Uang
14:45~15:00	Ergonomic Desining of multifunctional luggage for Taiwanese children Yu-Cheng Lin

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Session II

Chair: Tan-Ching Yen

13:30~13:45	Effects of display technology and stimulus type on time to visual fatigue Hsin-Chieh Wu, Chia-Wei Peng, Min-Chi Chiu, Cheng-Lung Lee, Peng-Cheng Sung
13:45~14:00	Implementation Elderly Fall Detection Systems Based on Smartphone Platform and Classification Model Ching-Torng Lin, Chien-Pang Lee, Chih-Hui Chang
14:00~14:15	Investigating the Relationship between Therapeutic Music and Emotion: A Pilot Study on Healthcare Service Ming-Chuan Chiu, Ya-Wen Hsu
14:15~14:30	Investigating music therapy and music information retrieval using music pattern analysis Ming-Chuan Chiu, Li-Wei Ko
14:30~14:45	Examination on the sleep quality of shift workers through subjective and objective measuring tools Chih-Lin Chang, Chin-Pin Chen, Shih-Wen Huang
14:45~15:00	On Optimization of Location-aware Services Toly Chen, Richard Romanowsky

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Session III

Chair: Shi-Shing Chang

13:30~13:45	A Study Of Prophylactic knee taping for badminton player comfort and lower extremity muscle electromyography Chinmei Chou, Chih-Chi Tai, Yipin Chen
13:45~14:00	The Impact of Formats and Interactive Modes on the Effectiveness of Mobile Advertisements Kuo-Wei Su, Po-Hung Chen, Ya-Ting Li, Hsin-Hui Tseng, Chen-Yu Lien, and Ai-Ting Wu
14:00~14:15	The development of electronic pet for the senior Kun -Wie Lin, TsuTsu -Wu, Cheng -Ze Lyu, Jui-Chih Liao
14:15~14:30	Ambient Intelligent Optimal Path System: A Case Study of Automobile Chu-Chai Henry Chan, Young Cheng Chen
14:30~14:45	The causal relationship among brand awareness, consumption intention, satisfaction and loyalty Po-Hung Lin
14:45~15:00	A field-based evaluation of physiological strain of precision casting workers Peng-Cheng Sung, Wen-Chaug Chiu, Shu-Zon Lou, Huey-Long Chen

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Session IV

Chair: Yi-Ming Fu

15:30~15:45	The issues and resolutions of a university faculty appraisal system – A case study of a university in Taiwan Li-Hsiang Mu
15:45~16:00	Using Ergonomics Technique to Improve a Manual Picking System for Distribution Center Yi-Ming Fu
16:00~16:15	Modifying AHP by the convergence theorem of fuzzy matrix over convex combination of max-min and max-arithmetic mean operations Yung-Yih Lur, Chia-Cheng Liu
16:15~16:30	A Study on the Shopper Browsing Behaviors of Network Stores Hung-Chin Lin
16:30~16:45	Neural-Based Process Optimization of Short Glass Fiber Reinforced Polycarbonate Composites in Injection Molding by Genetic Algorithm and Grey Relational Analysis Han-Huai Liu
16:45~17:00	Optimization of Injection Molding Process for Fracture Toughness Specimen in Fiber Reinforced Polycarbonate Composites Shi-Shing Chang

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Session V

Chair: Chia-Cheng Liu

15:30~15:45	A Green Method for Producing LCD's Color Filters Tan-Ching Yen
15:45~16:00	On the Boolean contractions of a hypercube mapping Chia-Cheng Liu, Yung-Yih Lur
16:00~16:15	Process Parameter Optimization of Frequency Synthesizer Using Grey Relational Analysis Method Approach Lan-Feng Hu
16:15~16:30	Biomechanical and ergonomic considerations on back muscle load Tzu-Sui Hung, Shih-Tin Lee
16:30~16:45	Optimizing the Injection Molding Process of Polyethylene Terephthalate Using the Grey Relational Analysis Shin-Ray Chang