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● 著作

(1) 期刊論文

- Yen-Kung Lai, Ya-Hsien Ko, Kong-King Shieh, Der-Song Lee*, Yun-Ying Yeh, Tin-Chiao Yang, 2012, Visual Performance and Visual Fatigue of Long Period Reading on Electronic Paper Display, accepted for publication in Journal of Ergonomic Study, September 15.
- Shen, I. H.* and Shieh, K. K., Effects of Report Order on Identification on Multidimensional Stimulus: Color and Shape, D. Harris (Ed.): Engin. Psychol. And Cog. Ergonomics, HCII 2009, LNAI 5639, pp.307-316, 2009.
- Shen, I. H.* and Shieh, K. K., Effects of report order on identification on multidimensional stimulus: color and shape, Lecture Notes in Artificial Intelligence: Engineering Psychology and Cognitive Ergonomics, 5639, (2009)(EI)
- Hsuan Shen, Kong-King Shieh, Chih-Yu Chao, Der-Song Lee*, Lighting, Font Style, and Polarity on Visual Performance and Visual Fatigue with Electronic Paper Displays, Displays 30 (2009) 53-58. (SCI)



● 著作

(1) 期刊論文

- Lee, D. S., Shieh, K. K., Jeng, S.C., & Shen, I. H.* Effect of character size and lighting on legibility of electronic papers. *Displays*, 29, 10-17. (2008) (SCI)
- Der-Song Lee, Kong-King Shieh, Shie-Chang Jeng , I-Hsuan Shen, 2008, Effect of Character Size and Lighting on Legibility of Electronic Papers, *Displays*, Volume 29, Issue 1, January 2008, 10-17. (SCI)
- Der-Song Lee, Yun-Ying Yeh and Kong-King Shieh, 2007, Visual fatigue for using electronic paper displays, *Journal of Oriental Institute of Technology*, Volume 27, 105-114.
- Shen, I. H.*,Shieh, K. K., & Tsai, S. Y. Event-related potential as a measure of effects of report order and compatibility on identification on multidimensional stimulus. *Lecture Notes in Artificial Intelligence: Engineering Psychology and Cognitive Ergonomics*, 4562, 591-599. (2007) (EI)
- Shieh, Kong-King; Lee, Der-Song, Preferred viewing distance and screen angle of electronic paper displays. *Applied Ergonomics*, Sep. 2007, Volume:38, Issue: 5, pp. 601-608. (SCI)
- Shie-Chang Jeng, Yan-Rung Lin, Chi-Chang Liao, Chao-Hua Wen, Chih-Yu Chao, Der-Song Lee, and Kong-King Shieh, 2006, Effect of Character Size and Lighting on Legibility of Electronic Papers, *Digest of Technical Papers - SID International Symposium*, 37 (3), 1291-1294.
- Shen, I. H.*,Shieh, K. K., & Ko, Y. H. Event-related potential as a measure of effects of report order and training on identification of multidimensional stimuli. *Perceptual and Motor Skills*, 102, 197-213. (2006) (SSCI)
- Shen, K. K., & Shen, I.H.* Report order and task switch on multidimensional stimulus identification: a study of event-related brain potential. *Perceptual and Motor Skills*, 102, 905-918(2006) (SSCI)
- Shieh, Kong-King; Chen, Mei-Hsiang; and Wang, Ya-Whei, 2005 14 Jan. Effects of display medium and luminance contrast on memory performance and EEG response. *International Journal of Industrial Ergonomics*, 35,797-805. (SCI) 計畫編號 : NSC- 91-2213-E-011-058



● 著作

(1) 期刊論文

- Shieh, Kong-King; Hsu, Sheng-Hsiung and Lin, Yu-Chao, 2005. Dynamic Chinese text on a single-line display : Effects of presentation mode. *Perceptual and Motor Skills*, 100, 1021-1035. (SSCI)
- Shieh, Kong-King; Chen, Mei-Hsiang, 2005. Effects of display medium and luminance contrast on concept formation and EEG response. *Perceptual and Motor Skills*, 100, 934-954. (SSCI) 計畫編號 : NSC- 92-2213-E-011-039
- Shieh, Kong-King; Ko, Ya-Hsien, 2005. Effect of display characteristics and individual differences on preferences of VDT icon design. *Perceptual and Motor Skills*, 100, 305-318. (SSCI)
- Shieh, Kong-King; Shen, I-Hsuan. 2004. Report order and identification of multidimensional stimuli: a study of event-related brain potentials. *Perceptual and motor skills*, 98, 1427-1437.
- Shieh, Kong-King ; Huang, Shih-Miao. 2003. Effects of size of pictorial and thickness of circle-slash on glance legibility for prohibitive symbols under various viewing conditions. *International Journal of Industrial Ergonomics*.
- Shieh, Kong-King ; Huang, Shih-Miao. 2003. Factors affecting the design of prohibitive symbols. *Applied Ergonomics*.
- Shieh, Kong-King; Chen, Feng-Feng. 2002. Effects of order of report and stimulus type on multidimensional identification . *Perceptual and Motor Skills*. (95,783-794)(SSCI)
- Shieh, Kong-King; Huang, Shih-Miao. 2002. Effects of size of pictorial and thickness of circle-slash on glance legibility for prohibitive symbols under various viewing conditions. *International Journal of Industrial Ergonomics*.
- Shieh, Kong-King; Huang, Shih-Miao. 2002. Factors affecting the design of prohibitive symbols. *International Journal of Industrial Ergonomics*.
- Huang, Shih-Miao; Shieh, Kong-King; Chi, Chia-Feng. 2002. Factors affecting the design of computer icons. *International Journal of Industrial Ergonomics*. (29,211-218) (EI)(SCI).



● 著作

(1) 期刊論文

- Shieh, Kong-King; Yan, Mao-Cheung; and Chiang, Li-Pin, 2002. Effects of stimulus salience on multidimensional stimulus identification. *Perceptual and Motor Skills*. (In review) (SSCI)
- Lin, Chin-chuang ; Shieh, Kong-King. 2001. Screen type, polarity and text color on visual performance and fatigue in prolonged VDT reading task. *Asian Journal of Ergonomics*.(2,2,89-105)
- 林清泉、謝光進，2001，文字色彩與文字筆劃數對中文識認績效的影響，*人因工程學刊*，3(1) 33-41.
- 林清泉、謝光進，2000，影響青年間歇最大持續握力因素之研究，*技術學刊*，第五卷，第三期，p.537-544.
- Shieh, Kong-King; and Lin, Chin-Chiuan, 2000.Effects of screen type, ambient illumination, and color combination on VDT visual performance and subjective preference. *International Journal of Industrial Ergonomics*. ,26, 527-536
- 林清泉，謝光進，2000，影響青年握力因素研究。*人因工程學刊*，第二卷，第一期，p.89-97。
- 蔡登傳，謝光進，2000，文字類型與閃現時間視認度影響之研究。*人因工程學刊*，第二卷，第二期，41-50。
- Shieh, Kong-King; 2000. Effects of reflection and polarity on LCD viewing distance. *International Journal of Industrial Ergonomics*. 2000 (25), 275-282 (EI) (SCI)
- Shieh, Kong-King; Lin, Chin-Chiuan, 1999. A quantitative model for designing keyboard layout. *Perceptual and Motor Skills*, 88, 113-125. (SSCI)
- 李德松，謝光進，1998，螢幕文字亮度與色彩對視覺績效與主觀偏好的影響研究。*人因工程學刊*，1，1，59-66。
- Shieh, Kong-King; Chen, Cheung-Chu, 1998. Glare and polarity as determinants of CRT viewing distance and subjective visual fatigue. *Journal of Ergonomics Studies*, 1,1,49-58.
Shieh, Kong-King; 1998. Effectiveness of redundant color coding in multidimensional identification. *Perceptual and Motor Skills*, 86, 615-625. (SSCI)



● 著作

(1) 期刊論文

- Shieh, Kong-King; Chen, Ming-Te, 1997. Effects of screen color combination and visual task characteristics on visual performance and visual fatigue. Proceeding of the National Science Council, ROC(A), 21,361-368. (EI) 計畫編號 : NSC-85-2213-E-011-014
- Shieh, Kong-King; Lai, Chien-Jung, and Kuo, Whey-Ming, 1997. Effects of duration of stimulus and variability of foreperiod on the identification of multidimensional stimuli. *Perceptual and Motor Skills*, 84, 1379-1393. (SSCI) 計畫編號 : NSC-83-0415-E-011-81.
- Shieh, Kong-King; Lai, Chien-Jung, 1997. Multidimensional stimuli identification: Instructing subjects in the order of reporting stimulus dimensions. *Perceptual and Motor Skills*, 84, 435-448. (SSCI) 計畫編號 : NSC-80 -0415-E-011-13.
- Shieh, Kong-King; Chen, Ming-Te; Chuang, Jinn-Huei, 1997. Effects of characteristics of stimulus and work condition on visual performance and visual fatigue of VDT work. *Journal of the Chinese Institute of Industrial Engineers*, 14(3), 237-245. 計畫編號 : NSC-85-2213-E-011-014.
- Shieh, Kong-King; Chen, Ming-Te, 1997. Effects of screen color combination, work-break schedule, and working on VDT viewing distance. *International Journal of Industrial Ergonomics*, 20, 11-18. (EI) (SCI)計畫編號 : NSC-83-0415-E-011-81.
- Shieh, Kong-King; Chen, Ming-Te, 1997. Color contrast and typography on identification of characters briefly on VDT. *International Journal of Human-Computer Interaction*, 9(2), 169-181. (EI) 計畫編號 : NSC-85-2213 -E-011-014.
- 許勝雄 · 謝光進 · 楊文鐸 · 1996 · 手部動作分類研究 · *Journal of Chinese Institute Engineers*, 13, 2, 145-155. 計畫編號 : NSC-75-0415-E-011-81
- Shieh, Kong-King; Lai, Chien-Jung, and Ellingstad, V.S., 1996. Effects of Report order, identification method, and stimulus characteristics on multidimensional stimulus identification. *Perceptual and Motor Skills*, 82, 99-111. (SSCI).
- Shieh, Kong-King; and Lai, Chien-Jung, 1996. Effects of practice on identification of multidimensional stimuli. *Perceptual and Motor Skills*, 83, 435-448.(SSCI) 計畫編號 : NSC-81-0415-E-011-04



● 著作

(2) 研討會論文

- 賴衍孔·張柏駿·謝光進·李德松·楊廷喬·2012·Visual Performance and Visual Fatigue of Long Period Reading on Electronic Paper Displays · The 19th Annual Meeting of the Ergonomics society of Taiwan, March 24 · 43 ·
- Yeh-Kung Lai, Kong-King Shieh*, Po-Chun Chang, Der-Song Lee and Ting-Qiao Yang, 2012, Visual Performance and Visual Fatigue of Long Period Reading on Electronic Paper Displays, 2012 The 19th Annual Meeting of the Ergonomics society of Taiwan, March 24.
- Po-Chun Chang, Der-Song Lee*, Yun-Ying Yeh and Kong-King Shieh, 2012, Chromaticity and Luminance on Visual Performance and Subjective Performance for Imagery on LCD, International Conference on Computer Science and Electronic Engineering, March 23-25, 3, 110-112. (EI)
- 黃敏亮, 李德松*, 葉雲嬰, 謝光進, 2011, 螢幕圖像色彩組合的辨識率及腦波反應研究, *2011 2nd International Conference: Industrial Innovation and Smart Living*, May 5-7.
- 謝光進, 張柏駿, 李德松, 葉雲嬰, 黃敏亮, 2010, 電子紙閱讀績效之研究, CIIE2010 中國工業工程學會 99 年度年會暨學術研討會, B12-5 ·
- Kong-King Shieh and Der-Song Lee, 2010, Luminance contrast and subtitle type on viewing distance of liquid crystal display high-definition television, 2010 International Conference of Technology Innovation and Smart Living, Oriental Institute of Technology, Taipei Country, Taiwan, June 4- 5, P-01.
- Kong-King Shieh, Der-Song Lee and Yeh-Kung Lai, 2010, VDT Target/Background Color Combination and luminance contrast on EEG responses, 2010 International Conference of Technology Innovation and Smart Living, Oriental Institute of Technology, Taipei Country, Taiwan, June 4- 5, O-03.
- 趙致瑜、賴衍孔、謝光進、李德松·2010·字體大小、行間距與照明對電子紙顯示器的辨識績效的影響· The 17th Annual Meeting of the Ergonomics Society of Taiwan, E091 ·



● 著作

(2) 研討會論文

- Der-Song Lee, Min-Liang Huang and Kong-King Shieh, 2009. Visual Fatigue for Using Electronic Paper Displays, 2009 International Symposium of Healthcare, P.202, May 22-23, 209 Taipei, Taiwan.
- Kong-King Shieh, Yen-Kung Lai, Yun-Ying Yeh and Der-Song Lee, 2009. Effects of Color Combination and Luminance Contrast on Visual Fatigue of Reading on VDT, 2009 International Symposium of Healthcare, P.173, May 22-23, 209 Taipei, Taiwan.
- Yun-Ying Yeh, Der-Song Lee and Kong-King Shieh, 2009. Characteristics of Shiftwork and Quality of Work Life, 2009 International Symposium of Healthcare, P.87-P.90, May 22-23, 209 Taipei, Taiwan.
- Min-Liang Huang, Der-Song Lee and Kong-King Shieh, 2009. Re-Evaluation of Chinese Morningness – Eveningness Questionnaire for Determining Human Circadian Rhythms, 2009 International Symposium of Healthcare, P.84-P.86, May 22-23, 209 Taipei, Taiwan.
- Shen, I.H. & Shieh, K. K. (2005) Training Effects on Identification of Multidimensional Stimuli: An Event-Related Potential Study. Paper presented at the 9th Conference on Attention and Perception, Chiayi, Taiwan.
- Shen, I.H. & Shieh, K. K. (2003) Effects of Report Order on Multidimensional Stimulus Identification: An Event-Related Brain Potential Study. Proceedings of the International Ergonomics Association 15th Triennial Congress. Seoul, Korea: Ergonomics Society of Korea and International Ergonomics Association.
- 謝光進、陳美香、王雅惠· 2003 Effect of display medium and luminance contrast on memory performance and physiological response (EEG).第十屆人因工程研討會· p311-315.
- 謝光進、黃室苗· 2002. 禁止圖像之圖像設計因素.人因工程學會91 年年會論文集.
- 謝光進、柯亞先· 2002. 亮度對比極性和色彩組合對VDT 績效影響.人因工程學會91年年會論文集.
- 謝光進、林清泉· 2001. 螢幕文字色彩對長時間閱讀績效與疲勞之影響.人因工程學會90 年年會論文集.



工業管理系

謝光進 老師

● 著作

(2) 研討會論文

- 謝光進·林億璋·林清泉·2000。桌上型與筆記型電腦鍵盤之生理負荷與主觀疲勞·人因工程學會89 年年會論文集。
- 謝光進·林清泉·2000。環境照明與色彩組合對液晶顯示器的視覺績效影響評估第15 屆技術職業教育研討會·工業類VI：工業工程組·p.89-95。
- 謝光進·林億璋·林清泉·2000。桌上型與筆記型電腦鍵盤之生理負荷與主觀疲勞·人因工程學會89 年年會論文集·11-13。
- 謝光進·林清泉·2000。螢幕種類、環境照明、與色彩組合對視覺績效的影響·人因工程學會89 年年會論文集·14-17。
- 謝光進·林億璋·林清泉·1999。桌上型與筆記型電腦鍵盤之績效評估。中國工業工程學會88 年度年會論文集·234。
- 謝光進·林億璋·1999。輪班人員特性與睡眠適應之研究·人因工程學會88 年年會論文集·99-101。
- 謝光進·張振卿·1999。色彩對比與亮度對比對CRT 上文字辨識影響之研究·人因工程學會88 年年會論文集·15-18。
- 謝光進·林億璋·林清泉·1999。桌上型與筆記型電腦鍵盤之績效評估。中國工業工程學會88 年度年會論文集·234。
- 謝光進·1999。色彩與亮度對比對CRT 上符號的辨識與主觀偏好影響之研究。中國工業工程學會88 年度年會論文集·117。
- 謝光進·林清泉·1998。電腦化鍵盤設計-以大易輸入法為例。人因工程學會87 年年會論文集·96-99。
- 李德松·謝光進·1998。螢幕文字亮度與色彩對視覺績效與主觀偏好影響之研究。人因工程學會87 年年會論文集·100-103。
- 謝光進·陳忠助·1997。終端機螢幕類型·反光與極性對視覺疲勞影響之研究。1997工業衛生學術研討會·高雄醫學院·高雄。
- Lai, Chien-Jung; Shieh, Kong-King, 1997. Multidimensional identification on shape code. International Conference on Occupational safety, Health Ergonomics, and Environment, Wuhan, China, B40-B46.



● 著作

(2) 研討會論文

- Shieh, Kong-King; Lai, Chien-Jung, 1996. Chinese version of the attitude towards shiftwork scale (ATSS) and its relationship with individual difference and shift system characteristics. The 4th pan-Pacific Conference on Occupational Safety and Health, 565-568.
- Shieh, Kong-King; Lai, Chien-Jung, 1996. Relationship of circadian rhythm, extroversion-introversion, and attitude towards shiftwork with shiftwork adjustment. The 4th pan-Pacific Conference on Occupational Safety and Health, 240-243.
- Shieh, Kong-King; Chen, Ming-Te, 1996. CFF and subjective visual fatigue as a function of VDT task characteristics. The 4th pan-Pacific Conference on Occupational Safety and Health, 143-146.
- Shieh, Kong-King; Chang, Ji-Pei, 1996. A survey of shiftwork adjustment of shiftworkers in Taiwan. The 4th pan-Pacific Conference on Occupational Safety and Health, 99-102.
- 謝光進·張志培·1995。中文歐氏清晨--夜晚日律量表之修訂。人因工程與安全衛生國際研討會·92-98。
- 陳明德·謝光進·1995。螢幕顏色對比與作業特性對VDT 視距之影響。人因工程與安全衛生國際研討會·145-148。
- 謝光進·陳明德·莊俊輝·1995。顏色對比與目標字特性對VDT 視覺績效影響之研究。Proceedings of the third Sino-French Symposium in Ergonomic research and Design,73-82.

● 著作

(3) 技術報告及其他

- 謝光進·2010 彩色電子紙顯示器的視覺績效、疲勞與偏好研究。國科會專題研究報告。計劃編號：NSC 100-2221-E-161 -006
- 謝光進·2009 電子紙閱讀績效與視覺疲勞影響之研究(二年計劃)。國科會專題研究報告。計劃編號：NSC 98-2221-E-161-009-MY2.



工業管理系

謝光進 老師

● 著作

(3) 技術報告及其他

- 謝光進，2008 電腦螢幕(VDT)的目標/背景顏色組合與亮度對比對文章理解力影響之研究。國科會專題研究報告。計劃編號：NSC 97-2221-E-161-010.
- 謝光進，2007 電腦螢幕(VDT)的目標/背景顏色組合與極性對記憶與遺忘影響之研究。計劃編號：NSC 96-2221-E-011-074.
- 謝光進，2006 字體大小、行間距與照明對電子紙顯示器的辨識績效的影響。計劃編號：NSC 95-2221-E-011-044.
- 謝光進，2005 光源與照度對電子紙顯示器的辨識績效的影響。計劃編號：NSC 94-2213-E-011-029.
- 謝光進，2004 符號顏色對比的偏好、績效與生理反應(腦波)評估。國科會專題研究報告。計劃編號：NSC- 93-2213-E-011-056.
- 謝光進，2003 呈現媒介與亮度對比的觀念形成語生理反應。國科會專題研究報告。計劃編號：WSC-92-228-E011-039.
- 謝光進，2002 呈現媒介與亮度對比的記憶績效與生理反應 (腦波) 評估。國科會專題研究報告。計劃編號：NSC-91-2218-E-011-058.
- 謝光進，2001。極性與色彩組合對長時間閱讀作業之視覺績效與視覺疲勞的影響。國科會專題研究報告。計畫編號：NSC-90-2218-E-011-013.
- 謝光進，2000。螢幕類型、環境照明與色彩組合對視覺績效的影響。國科會專題研究報告。計畫編號：NSC-89-2213-E-011-114.
- 謝光進，2000。螢幕類型與作業特性對視覺績效及視覺疲勞影響之研究。國科會專題研究報告。計畫編號：NSC-89-2213-E-011-024.
- 謝光進，1999。色彩與亮度對比對CRT 上符號之辨認與主觀偏好影響之研究。國科會專題研究報告。計畫編號：NSC-88-2213-E-011-018.
- 謝光進，1998。以CIE 色彩座標預測螢幕作業績效之數量模式。國科會專題研究報告。計畫編號：NSC-87-2213-E-011-025.
- 謝光進，1997。顏色對比與作業特性對視覺績效與視覺疲勞影響之研究。國科會專題研究報告。計畫編號：NSC-85-2213-E-011-014.