*Recent Publications (2003~)*

**A. Referred paper**

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2. Chih-Hsien Chi\*, **Fong-Gong Wu** and Tsung-Hsiey Wu, 2003, "Rescuers' Effect on Active Compression-Decompression Cardiopulmonary Resuscitation (ACD-CPR) Operating," American Journal of Emergency Medicine, Vol. 21, No. 7, pp. 561-562. **(SCI)**

3. **Fong-Gong Wu\***, Eva Chang, Rain Chen, Chien-Hsu Chen, 2003, "Assistive Drawing Device Design for Cerebral Palsy Children," Technology and Disability, Vol. 15, pp. 239-246

4. Chih-Hsien Chi\*, **Fong-Gong Wu** and Tsung-Hsiey Wu, 2003, "Analysis of Operation in Active Compression-Decompression Cardiopulmonary Resuscitation," Journal of Taiwan Emergency Medicine, Vol. 5, No. 4, pp. 164-171

5. Chien-Hsu Chen\*, **Fong-Gong Wu**, Pei-Luen Patrick Rau and Yu-Hsiu Hung, 2004, "Preference of Young Children Regarding Interface Layouts in Child Community Web Sites," Interacting with Computers, Vol. 16, pp. 311-330. **(SCI) (SSCI)**

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7. Chih-Hsien Chi\*, **Fong-Gong Wu,** Shu-Hui Tsai and Chun-Hsiang Wang, Susan A. Stern, 2005, "Effect of Hair and clothing on neck immobilization using a cervical collar" American Journal of Emergency Medicine. Vol. 23, No. 3, pp. 386-390 **(SCI)**

8. **Fong-Gong Wu\***, Shuyi Luo, 2006, "Performance Study on Touch-pens Size in Three Screen Tasks," Applied Ergonomics, 37(2), pp. 149–158 **(SCI) (SSCI)** NSC93-2213-E-006-078

9. **Fong-Gong Wu\***, Shuyi Luo, 2006, "Design and Evaluation Approach for Increasing Stability and Performance of Touch Pens in Screen Handwriting Tasks," Applied Ergonomics, 37(3), pp. 319–327 **(SCI) (SSCI)** NSC93-2213-E-006-078

10. **Fong-Gong Wu\***, Shuyi Luo, SEP 2006, "Performance of the Five-Point Grip Pen in Three Screen-based Tasks," Applied Ergonomics, 37(5), pp. 629-639 **(SCI)(SSCI)** NSC94-2213-E-006-056

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12. Min-Yuan Ma, Cheih-Ying Chen, **Fong-Gong Wu\***, AUG 2007, "A Design Decision-making Support Model for Customized Product Color Combination", Computers in Industry, 58, pp. 504-518 **(SCI)**

13. **Fong-Gong Wu\***, Eva Chang, Rain Chen\*, DEC 2007, **"**Observation Threshold of Product Represented Angles and Its Related Factors", Displays, 28(4-5), pp. 155–160 **(SCI)** NSC 91-2213-E-006-132

14. Fong-Gong Wu\***, APR 2007, "Designing Future,"** Science Development (National Science Council), 412, pp. 62-69 (in Chinese)

15. **Fong-Gong Wu\***, Chun-Yu Chen, Chien-Hsu Chen, JUN 2007, "Improvements of Chord Input Devices for Mobile Computer Users," Lecture Notes in Computer Science, LNCS_4555, pp. 1026-1035, ISBN: 978-3-540-73280-8 **(EI)** NSC 94-2213-E-006-056

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19. Han-Chi Hsiao*, **Fong-Gong Wu**, Ronald Hsi, Chih-I Ho, Wen-Zhou Shi, Chien-Hsu Chen, JUL 2009, "The Evaluation of Operating Posture in Typing the QWERTY Keyboard on PDA," Lecture Notes in Computer Science 5624, pp. 241–249**, ISBN:** 978-3-642-02730-7 **(EI)** NSC 96-2221-E-006 -121

20. Ying-Jye Lee*, Cheih-Ying Chen, **Fong-Gong Wu,** JUL 2009, "Design and Evaluation of the Customized Product Color Combination Interface Based on Scenario Experience," Lecture Notes in Computer Science 5617, pp. 263–270**, ISBN:** 978-3-642-02555-6 **(EI)**

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24. **Fong-Gong Wu**, Eva Chang*, Chien-Hsu Chen, SEP 2009, "Depressive Tendency of Design Major Freshman Students Explored through the Use of Color in Mosaic Creations," Arts in Psychotherapy, 36(4), pp. 185-190. **(SSCI)**

25. Eva Chang, **Fong-Gong Wu**, Rain Chen*, SEP 2009, "Application of safety feature evaluation in single-use safety syringe design," Journal of Scientific & Industrial Research 68(9), pp. 817-822 **(SCI)**

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27. **Fong-Gong Wu**\*, Cheih-Ying Chen, Ying-Jye Lee, Rain Chen, JAN 2010, "Effects of Color Sample Display and Color Sample Grouping on Screen Layout Usability for Customized Product Color Selection," Computers in Human Behavior 26(1), pp. 51-60, **(SSCI)**

## B. Conference Paper

1. **Fong-Gong Wu**, Zo-Han Chang, and Chien-Hsu Chen, 2003, "Shoulder Healthy Care Product Design for Computer Users", International Ergonomics Association XVth Triennial Congress (IEA2003), Seoul, Korea

2. **Fong-Gong Wu**, Eva Chang, Chien Hsu Chen, and Rain Chen, 2003, "Observation Threshold of Celular Phone Represented Angles and Its Related Factors", 10th International Conference on Human-Computer Interaction (HCI2003), volume 4, pp158-162, Crete, Greece.

3. Chien-Hsu Chen, Han-Ting Ke, and **Fong-Gong Wu**, 2003, "Disability participation to Design an Assistive Product for Cerebral Palsy Patient", 10th International Conference on Human-Computer Interaction (HCI2003), volume 4, pp43-47, Crete, Greece.

4. Ying-Jye Lee, **Fong-Gong Wu**, 2003, "Optimum Form Design of Curtain Using Taguchi Method," 2003 International Conference on Planning and Design, D2-3, Tainan, Taiwan

5. Hsin-Chang Lo, Hsin-Hsi Lai and **Fong-Gong Wu**, 2003, "The Research of Cognitive Ergonomics in Surgery Instrument for Skin Stapler,"6th Asian Design Interrnational Conference 2003, Tsukuba, Japan.

6. Hsin-His Lai, **Fong-Gong Wu**, Rain Chen and Eva Chang, 2003, "The Study on Injection Range and Interface Design of Medical Vials," 6th Asian Design Interrnational Conference 2003, Tsukuba, Japan.

7. **Fong-Gong Wu**, Chun-Yu Chen, Han-Chi Xiao, 2004, "Research on Integrated Input Method for Digital Mobile Device", 2004 International Design Forum and the 9th Annual Conference of Chinese Institute of Design, pp. 639-644, Tainan, Taiwan (in Chinese)

8. Han-Hsiang Liao, **Fong-Gong Wu**, 2004, '" Investigation of Postures When Using Tablet PC", 2004 International Design Forum and the 9th Annual Conference of Chinese Institute of Design, pp. 657-660, Tainan, Taiwan (in Chinese)

9. **Fong-Gong Wu**, Shu-Hui Tsai, "The Efficiency of Prehospital Cervical Collar Immobilization and New Design Ideas", 2004 International Design Forum and the 9th Annual Conference of Chinese Institute of Design, pp. 633-638, Tainan, Taiwan (in Chinese)

10. Ro-Han Chang, Shing-Sheng Guan, **Fong-Gong Wu**, 2004, "A Study of Evaluating 'Anthropometric Database for workers in Taiwan' from the Viewpoint of Usability Engineering", 2004 International Design Forum and the 9th Annual Conference of Chinese Institute of Design, pp. 587-592, Tainan, Taiwan (in Chinese)

11. **Fong-Gong Wu**, Chien-Hsu Chen, Min-Yuan Ma, Shuyi Luo, Chun-Yu Chen, Han-Hsiang Liao, 2004, "Morphological Analysis and Ergonomic Design of Chord Keyboards and Touch Pens for Computer Users (I)", 2003 Project Performance Conference of National Science Council on Industrial Engineering, Yun-Ling, Taiwan, CD-ROM (in Chinese)

12. Chih-Hsien Chi, **Fong-Gong Wu**, Tsung-Hsiey Wu, Wen-Chau Chen, Susan Stern, 2004,. "Kinematic Analysis of Active Compression-Decompression (ACD) Device Cardiopulmonary Resuscitation". 3rd Asian Conference on Emergency Medicine, Hong Kong, CD-ROM

13. Shuyi Luo, **Fong-Gong Wu**, 2004. An ergonomic study: design and evaluation for new touch-pens used for on-screen handwriting tasks. 2004 Pacific Design Conference, pp. 49–56. Yunlin, Tainan

14. Shuyi Luo, **Fong-Gong Wu,** 2005, **"**Factors affecting performance of the Five-Point Grip Pen in three screen tasks," 2005 International Conference on Planning and Design, pp. 115-124, Tainan, Taiwan.

15. Ro-Han Chang, **Fong-Gong Wu**, Min-Yuan Ma, Han-Chi Siao, 2005, "A Study of the Design Method for Assistive Device," 2005 International Conference on Planning and Design, pp. 133-139, Tainan, Taiwan.

16. **Fong-Gong Wu**, Hsiang-Yin Hung, Chien-Hsu Chen, 2005, "Chord Input Arrangement for the Mobile Computer," 11th International Conference on Human-Computer Interaction, file 87, Las Vegas, USA, CD-ROM

17. Chien-Hsu Chen, **Fong-Gong Wu**, ChunChin Su, 2005,"Using AR for Children to Promote Chinese Phonetic Alphabet Learning," 11th International Conference on Human-Computer Interaction, file 252, Las Vegas, USA, CD-ROM

18. **Fong-Gong Wu**, Chieh-Ying Chen, Ying-Jye Lee, 2005, "Optimum product color combination using the FAHP approach combined with the image compositing technique," 11th International Conference on Human-Computer Interaction, file 649, Las Vegas, USA, CD-ROM

19. **Fong-Gong Wu**, Chien-Hsu Chen, Han-Chi Hsiao, 2006, "The Perception of Bottle's Image by **Using Neural Network,"** Proceedings of the 47th Conference of t**he** Japanese Journal of Ergonomics, pp. 308-309, Osaka, Japan.

20. **Fong-Gong Wu**, Eva Chang, Chien-Hsu Chen, Rain Chen, 2006," Improved Design of Single-use Safety Syringe," Proceedings of the 53rd annual conference of JSSD, pp. 130-131, Kanazawa, Japan

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27. Chien-Hsu Chen, Chun Chin Su, Po-Yen Lee, **Fong-Gong Wu,** 2007, "Augmented Interface for Children Chinese Learning", Proceedings of the 7<sup>th</sup> IEEE International Conference on Advanced Learning Technologies, Volume, Issue, 18-20, pp. 268-270, Niigata, Japan

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30. Shuyi Luo, **Fong-Gong Wu**, 2007, "Reading Dynamic Text Presented on Television," 13<sup>th</sup> Asia Pacific Management Conference, pp. 1216-1219, Melbourne, Australia

31. **Fong-Gong Wu**, Alfred Chen, Rain Chen, Eva Chang, 2007, "Multiple-Layer Defense Mode for Industrial Design Intellectual Property," 13<sup>th</sup> Asia Pacific Management Conference, pp. 1220-1224, Melbourne, Australia

32. **Fong-Gong Wu**, Yi-Fan Liou, Chien-Hsu Chen, 2007, "Design and Evaluation of Chord Keyboard for Tablet Computer Manipulation," 13<sup>th</sup> Asia Pacific Management Conference, pp. 1225-1234, Melbourne, Australia

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34. **Fong-Gong Wu**, Chien-Chung Chen, Tin-Kai Chen, 2008, "A User-Centred Design Case Study of a Novel Gesture-based Positing Device," Create 2008, pp. 19-28, London, UK

35. **Fong-Gong Wu**, Eva Chang, Rain Chen, Chien-Hsu Chen, 2008, "An Investigation into a Person's Tendency Toward Depression as it is Expressed in His/Her Reaction to Colors and His/Her Creation of Artwork," ISES2008 Conference, pp. 278-281, Daejeon, Korea

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38. Chien-Hsu Chen, Brian Po-Yen Lee, **Fong-Gong Wu**, 2008, "Impact of case-based visual stimuli on conceptual design creativity," ISES2008 Conference, Daejeon, Korea

39. **Fong-Gong Wu**, Han-Chia Chuang, 2008, "Design and Evaluation of a Novel Trackball Input Device," 13<sup>th</sup> CID Annual Design Conference, Linkou, Taiwan (in Chinese)

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48. **Fong-Gong Wu**, Ronald Hsi, Chien-Hsu Chen, Robert C.C. Chen, 2009, "A New Manipulative Approach to Scrolling with the Mouse Wheel," IASDR 2009, CD file, Seoul, Korea
49. Jo-Yu Kuo and Fong-Gong Wu, July 2010, The elder's discrimination of icons with color discrimination on the cell phone, AHFE 2010, CD file 217, Miami, USA
50. Hsuan Lin and Fong-Gong Wu, July 2010, Design approach of a direct-touch input for navigation techniques interface of web map, AHFE 2010, CD file 298, Miami, USA
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## C. Other Publications
1. Chien-Hsu Chen, **Fong-Gong Wu**, etc., 2003, "Ergonomics Design Research for Children's Computer Workstation (II)", Project Report of National Science Council of ROC: NSC91-2213-E-006-131
2. Min-Fu Hsu, **Fong-Gong Wu** etc., 2004, Annual Reports of Educational Resource Center for Life Trendy Goods Design of Education Ministry at NCKU, 8 Volumes.
3. Chien-Hsu Chen, **Fong-Gong Wu**, etc., 2004," Ergonomics Design Research for Children's Computer Workstation (II)", Project Report of National Science Council of ROC: NSC92-2213-E-006-041
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6. **Fong-Gong Wu**, etc., 2005, "Improvement Plan of Hospitalization Environment Indicator Information Interface", Project Report of Taiwan Design Center
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## D. Patents
1. "A convertible bag into a chair", M260150, Taiwan, Apr. 2005, achieved with Pi-Chun Yu, Sn-Tse Yang, Mu-Shen Lo.
2. "Multi-use backpack", M261074, Taiwan, Apr. 2005, achieved with Pi-Chun Yu, Sn-Tse Yang, Mu-Shen Lo.

3. "Writing aid support", M27346, Taiwan, Aug., 2005, achieved with Shuyi Luo.
4. "Safe Syringe", I255729, 2006, Taiwan, achieved with Eva Chang and Rain Chen.
5. "Foot Washing Device for elder", M319044 Taiwan, Sep 2007, achieved with Ro-Han Chang and Ming-Uen Ma
6. "Face Washing Device for elder", M324488 Taiwan, Jan 2008, achieved with Ro-Han Chang and Ming-Uen Ma
7. "Hair Washing Device for elder", M324435 Taiwan, Jan 2008, achieved with Ro-Han Chang and Ming-Uen Ma
8. "Tangible input digital pen", M364910 Taiwan, 2009, achieved with Li-Ru Lai and Chien-Hsu Chen
9. "Keyboard with group keys corresponding to standard keyboard set", M364908 Taiwan, achieved with Han-Chi Hsiao
10. "Keyboard with group edge-corner keys corresponding to finger control habits", M370771, Taiwan, achieved with Yun-Yu Wu, Han-Chi Hsiao, Chia-Wei Chang