

## 陳一郎老師簡歷

**現職：**明志科技大學工業工程與管理系終身特聘教授

**學歷：**國立臺灣科技大學管理學（人因組）博士

**經歷：**

- 明志科技大學工業工程與管理系副教授、教授、特聘教授
- 明志科技大學工管系主任、所長、管理暨設計學院院長、教務長
- 長庚大學工業設計學系合聘教授
- 教育部師鐸獎
- 中華民國人因工程學會常務理事、監事
- 國科會工業工程與管理學門複審委員、規劃委員（現）
- 台塑企業一級主管教育訓練課程講師（現）
- Journal of Technology, IE Area Editor（現）

## 學術論文發表

### ■ 期刊論文 (SCI/SSCI/TSSCI)

1. Chen YL, Tang WH, Guan YX (2025). Gender-specific biomechanical effects of smartphone use with backpack load during standing and walking. *Scientific Reports*, 15, 41598 (SCI)
2. Chen YL, Hsu CW, Rahman A (2025). From mandate to choice: How voluntary mask wearing shapes interpersonal distance after COVID-19. *Healthcare*, 13.16, 1956 (SSCI)
3. Chen YL, Zhang LP (2025). Postural variability in sitting: Comparing comfortable, habitual, and correct strategies across chairs. *Applied Sciences*, 15, 7239 (SCI)
4. Chen YL and Chiu PY (2025). Age and sex differences in wrist range of motion: A population-based study of young and elderly Taiwanese adults. *International Journal of Industrial Ergonomics*, 108, 103773 (SCI/SSCI)
5. Lin LJ, Lin YH, Yu SP, Liu TH, Chen YL<sup>correspondence</sup> (2025). A cluster randomized controlled trial examining the effects of a four-week mindfulness-based practice on primary school students' interpersonal mindfulness, emotional intelligence, and attentional focus. *Frontiers in Psychology*, 16, 1539962 (SSCI)
6. Chen YL, Wang SY (2025). Challenges of face identification with varied mask coverage in the post COVID-19 era. *Frontiers in Psychology*, 16, 1486808 (SSCI)
7. Chen YL, Chen YC (2025). Impact of brand and testing method on coffee taste perception between genders: A comparative study of two leading coffee brands in Taiwan. *Sage Open*, 15.1 (SSCI)
8. Chen YL, Wang TH, Chang WA, Nguyen HT (2024). Gender differences in head and neck posture among smartphone users while walking: insights from field observations in Taipei. *Journal of Functional Morphology and Kinesiology*, 9.4, 245 (SCI)
9. Chen YL, Lin WC (2024). Enhancing understanding: Back muscle strength and individual flexibility impact on the flexion-relaxation phenomenon in the lumbar erector spinae. *Journal of Electromyography and Kinesiology*, 79, 102949 (SCI)

10. Chen YL, Chu KH, Huang PC, Ho CT, Nguyen HT (2024). Eyestrains among smartphone users while watching videos in Taipei MRT carriages: A comparison between sitting and standing postures. *Scientific Reports*, 14, 25407 (SCI)
11. Lin LJ, Yu SP, Lin YH, Chen YL<sup>correspondence</sup> (2024). Enhancing subjective well-being in Taiwanese university students through an eight-week mindfulness-based program: A pilot study. *Behavioral Sciences*, 14.11, 980 (SSCI)
12. Chen YL, Liao YH (2024). Differential back muscle flexion-relaxation phenomenon in constrained versus unconstrained leg postures. *Bioengineering*, 11.7, 736 (SCI)
13. Chen YL, Chan YC (2024). Neck and shoulder strains under various head flexing positions while standing and sitting with and without back support for male and female smartphone users. *Ergonomics*, 67.7, 913-924 (SCI/SSCI)
14. Chen YL, Chan YC, Alexander H (2024). Gender differences in neck muscle activity during near-maximum forward head flexion while using smartphones with varied postures. *Scientific Reports*, 14, 12994 (SCI)
15. Chen YL, Lee YC, Hsu CW, Rahman A (2024). Perceived interpersonal distance changes in young Taiwanese pre and post SARS-CoV-2 pandemic. *Scientific Reports*, 14, 610 (SCI)
16. Chen YL, Lee YC, Rahman A (2024). Perceived interpersonal distances: A cross-cultural analysis of young Taiwanese and young Southeast Asians during the Covid-19 pandemic. *Behavioral Sciences*, 14.1, 20 (SSCI)
17. Chen YL, Nguyen HT (2023). User walking speed and standing posture influence head/neck flexion and viewing behavior while using a smartphone. *Healthcare*, 11.23, 3027. (SCI/SSCI)
18. Chen YL, Rahman A (2023). Effects of target variables on interpersonal distance perception for young Taiwanese during the COVID-19 pandemic. *Healthcare*, 11.12, 1711 (SCI/SSCI)
19. Chen YL, Luo WH (2023). Comparative ergonomic study examining the work-related musculoskeletal disorder symptoms of Taiwanese and Thai workers in a tape manufacturing factory. *International Journal of Environmental Research and Public Health*, 20.4, 2958 (SCI/SSCI)
20. Chen YL, Wu CY, Li SC, Yu TM, SP Yu (2023). Effect of mask coverage on face identification in Taiwanese men and women. *Frontiers in Psychology*, 14, 1082376 (SSCI)
21. Chen YL, Alexander H, Hu YM (2022). Self-reported musculoskeletal disorder symptoms among bus drivers in the Taipei metropolitan area. *International Journal of Environmental Research and Public Health*, 19.17, 10596 (SCI/SSCI)
22. Chen YL, Huang PS, Kuo ZW, Chang YT, Nguyen HT (2022). Shank circumference reduction by sleep compression stockings in university students and convenience store cashiers. *Healthcare*, 10.8, 1532 (SCI/SSCI)
23. Liu C, Chen H, Zhou F, Chiang CH, Chen YL, Wu K, Huang DH, Liu CY, Chiou WK (2022). Effects of animated pedagogical agent-guided loving-kindness meditation on flight attendants' spirituality, mindfulness, subjective wellbeing, and social presence. *Frontiers in Psychology*, 13, 894220 (SSCI)
24. Chen H, Liu Chao, Zhou F, Chiang CH, Chen YL, Wu K, Huang DH, Liu CY, Chiou WK (2022). The effect of animation-guided mindfulness meditation on the promotion of creativity, flow and affect. *Frontiers in Psychology*, 13, 894337 (SSCI)
25. Chen H, Liu C, Zhou F, Cao X, Wu K, Chen YL, Liu CY, Huang DH, Chiou WK (2022). Fo-

- cused-attention meditation improves flow, communication skills, and safety attitudes of surgeons. *International Journal of Environmental Research and Public Health*, 19.9, 5292 (SCI/SSCI)
26. Chen YL, Chen KH, Cheng YC, Chang CC (2022). Field study of postural characteristics of standing and seated smartphone use. *International Journal of Environmental Research and Public Health*, 19.8, 4583 (SCI/SSCI)
  27. Kuan WH, Chen YL<sup>correspondence</sup>, Liu CL (2022). Excretion of Ni, Pb, Cu, As, and Hg in sweat under two sweating conditions. *International Journal of Environmental Research and Public Health*, 19.7, 4323 (SCI/SSCI)
  28. Chen YL, Chan YC, Zhang LP (2021). Postural variabilities associated with the most comfortable sitting postures: A preliminary study. *Healthcare*, 9.12, 1685 (SCI/SSCI)
  29. Chen YL, Lin WC, Liao YH, Chen Y, Kang PY (2021). Changing the pattern of the back-muscle flexion-relaxation phenomenon through flexibility training in relatively inflexible young men. *PLOS ONE*, 16.11, e0259619 (SCI/SSCI)
  30. Chen YL (2021). Changes in external ischial tuberosity width at varying trunk–thigh angles between sexes using two measurement methods. *Scientific Reports*, 11, 19676 (SCI)
  31. Chen YL, Tsai FM, Hsu WC, Yang CJ, Yei TY (2021). Exploring shank circumference by stretching after training among volleyball players. *International Journal of Environmental Research and Public Health*, 18.16, 8849 (SCI/SSCI)
  32. Lee YC, Chen YL<sup>correspondence</sup> (2021). Influence of wearing surgical mask on interpersonal space perception between Mainland Chinese and Taiwanese people. *Frontiers in Psychology*, 12, 692404 (SSCI)
  33. Chen YL, Ho TK, Chen KL (2021). Maximum strength levels for pulling and pushing handleless cartons in warehousing tasks. *Ergonomics*, 64.9, 1174-1182 (SCI/SSCI)
  34. Chen YL, Nguyen HT, Chen Y (2021). Influences of schoolbag carrying loads and methods on body strains among young male students. *International Journal of Industrial Ergonomics*, 82, 103095 (SCI/SSCI)
  35. Chen YL, Sari RK, Liao YH, Lin WC (2021). Optimal span between feet of public squat toilet based on anthropometric data and squatting stability assessment. *Healthcare*, 9.1, 42 (SCI/SSCI)
  36. Chen YL, Ou YS (2020). A case study of Taiwanese custom-beverage workers for their musculoskeletal disorders symptoms and wrist movements during shaking task. *International Journal of Industrial Ergonomics*, 80, 103018 (SCI/SSCI)
  37. Chen YL, Hu YM, Chuan YC, Wang TC, Chen Yi (2020). Flexibility test affecting the reduction pattern of back muscle activation during trunk flexion. *Applied Sciences*, 10, 5967 (SCI)
  38. Chen YL, Cheng YT, Ye JN, Huang TL, Chen WN (2020). Posture and time arrangement influence shank circumference reduction when performing leg raising exercise. *International Journal of Environmental Research and Public Health* 17.16, 5735 (SCI/SSCI)
  39. Chen YL, Kuan WH\*, Liu CL (2020). Comparative study of the composition of sweat from eccrine and apocrine sweat glands during exercise and in heat. *International Journal of Environmental Research and Public Health*, 17.10, 3377 (SCI/SSCI)
  40. Chen YL, Zhong YT, Lio BN, Yang CC (2020). Musculoskeletal disorders symptoms among Taiwanese bakery workers. *International Journal of Environmental Research and Public Health*, 17.8, 2960 (SCI/SSCI)

41. Chen YL, Li CY, Wang CH, Hu S (2020). The effect of wearing jeans on maximum static lifting strength for men and women at various exertion heights. *International Journal of Occupational Safety and Ergonomics*, 26.2, 423-428 (SSCI)
42. Chen YL, Lin WC, Chen Y, Wen YW, Tsai TL, Yan SQ (2020). Effect of wearing jean on back muscle flexion-relaxation phenomenon. *International Journal of Industrial Ergonomics*, 76, 102938 (SCI/SSCI)
43. Chen YL, Lee YC (2019). Effects of lighting, liquid color, and type of containers on volume perception. *i-Perception*, 10(5), 1-12 (SSCI)
44. Chen YL, Chen Y, Liao YH, Lin WC, Lin CJ (2019). Lumbar posture and individual flexibility influence back muscle flexion-relaxation phenomenon while sitting. *International Journal of Industrial Ergonomics*, 74, 102840 (SCI/SSCI)
45. Wang MH, Chen YL, Chiou WK\* (2019). Using the OVAKO Working Posture Analysis System in cleaning occupations. *Work*, 64.3, 613-621 (SSCI)
46. Chen YL, Lin WC, Liao YH, Lin CJ (2018). Effect of individual flexibility and knee posture on the back muscle flexion-relaxation phenomenon. *International Journal of Industrial Ergonomics*, 68, 82-88 (SCI/SSCI)
47. Chen YH, Chen YL correspondence (2018). An optimal effective working height for hammering tasks. *Work*, 61, 181-187 (SSCI)
48. Chen YL, Mu YC (2018). Effects of backpack load and position on body strains in male school-children while walking. *PLOS ONE*, 13(3), e0193648 (SCI)
49. Chen YL (2018). Predicting external ischial tuberosity width for both sexes to determine their bicycle-seat sizes. *International Journal of Industrial Ergonomics*, 64, 118-121 (SCI/SSCI)
50. Chen YL, Lee YC, Lee ZY, Chen MC (2017). Effect of viewing angle on volume perceptions for paired tumblers. *i-Perception*, 8.4, 1-12 (SSCI)
51. Chen YL, Shi LJ (2017). Effects of container elongation on consumers' volume perception. *Neuropsychiatry*, 7.4, 342-346 (SCI)
52. Chen YL, Wu BZ, Huang DH (2017). Effect of participant physiques on increases in shank circumference for the two prolonged standing conditions. *Human Factors and Ergonomics in Manufacturing & Service Industries*, 27.4, 171-176 (SCI)
53. Chen YL, Lee YC (2017). Effect of an auxiliary device for chopstick operations on the chopstick-use performance of foreign novices. *Neuropsychiatry*, 7.4, 310-315 (SCI)
54. Chen YL, Yu CY, Lin DY (2017). Musculoskeletal disorders caused by gas-cylinder handling tasks: A case study report. *Work*, 56, 403-407 (SSCI)
55. Chen YL, Chiou WK, Tzeng YT, Lu CY, Chen SC (2017). A rating of perceived exertion scale using facial expressions for conveying exercise intensity for children and young adults. *Journal of Science and Medicine in Sport*, 20, 66-69 (SCI)
56. Chen YL, Ho TK (2016). Psychophysically determining the maximum acceptable weight of lift for polypropylene laminated bags. *Industrial Health*, 54.6, 550-553 (SCI/SSCI)
57. Chen YL, Sie CC (2016). Design factors affecting the reaction time for identifying toilet signs: A preliminary study. *Perceptual and Motor Skills*, 122.2, 636-649 (SSCI)
58. Chen YL, Yang PJ (2016). A preliminary study of the measurement of external ischial tuberosity

width and its gender differences. *Journal of Physical Therapy Science*, 28.3, 820-823 (SCI)

59. Kuan WH, Chen YL correspondence (2016). Bottle material and cleansing procedures of infant feeding bottles. *Southeast Asian Journal of Tropical Medicine and Public Health*, 47.1, 142-151 (SCI)
60. Chen YL, Chiou WK (2015). Comparison of static lifting capacity between experienced and novice Taiwanese female workers. *Work*, 52.3, 549-558 (SSCI)
61. Chen YL, Huang LS, Peng LW, Shi LJ (2015). Bowing with trunk flexion of 90°: Perspectives on consumers and service personnel. *International Journal of Industrial Ergonomics*, 47, 124-131 (SCI/SSCI)
62. Chiou WK, Chiu HT, Chao AS, Tsai TH, Chen YL correspondence (2015). The influence of body mass in foot dimensions during pregnancy. *Applied Ergonomics*, 46, 212-217 (SCI)
63. Chen YL, Kuan WH (2014). Is a plastic or glass feeding bottle easier to be cleaned? *Iranian Journal of Public Health*, 43.12, 1716-1717 (SCI/SSCI)
64. Chen YL, Chiang HT (2014). Atilt rolling movement of a gas cylinder: A case study. *Work*, 49.3, 473-481 (SSCI)
65. Huang DH, Chou SW, Chen YL, Chiou WK (2014). Frowning and jaw clenching muscle activity reflects the perception of effort during incremental workload cycling. *Journal of Sports Science and Medicine*, 13.4, 921-928 (SCI)
66. Chen YL (2014). Effects of work experience and exertion height on static lifting strengths and lift strategies of experienced and novice female participants. *International Journal of Industrial Ergonomics*, 44.5, 607-614 (SCI/SSCI)
67. Kuan WH, Chen YL (2014). Land-use type of catchment varying nitrogen cycle in an endangered salmon inhabited stream. *Environmental Engineering and Management Journal*, 13.4, 971-978 (SCI)
68. Chen YL, Liu YN (2014). Optimal protruding node length of bicycle seats determined using cycling postures and subjective ratings. *Applied Ergonomics*, 45.4, 1181-1186 (SCI/SSCI)
69. Chen YL, Chen CC, Hsia PY, Lin SK (2013). Relationships of Borg's RPE 6-20 scale and heart rates in dynamic and static exercises among a sample of young Taiwanese men. *Perceptual and Motor Skills*, 117, 971-982 (SSCI)
70. Chen YL, Yu ML (2012). A preliminary field study of optimal trunk flexion by subjective discomfort in recreational cyclists. *Journal of the Chinese Institute of Industrial Engineers*, 29.8, 526-533 (EI/TSSCI)
71. Lee YC, Chen YL correspondence (2012). Optimal combination of auxiliary device size and its location on chopsticks for food-gripping performances. *Perceptual and Motor Skills*, 115.1, 1-10 (SSCI)
72. Chen YL, He KC (2012). Changes in human cervical and lumbar spine curves while bicycling with different handlebar heights. *Work*, 41, 5826-5827 (SSCI)
73. Chen YL, Lee YC (2012). Sex differences in static-lifting strengths at full-range exertion heights in a young Taiwanese sample. *Perceptual and Motor Skills*, 114.3, 1-12 (SSCI)
74. Chen YL, Lee YC, Hsu TC (2011). Isometric push and pull strengths of young Taiwanese males. *Industrial Health*, 49, 696-702 (SCI/SSCI)

75. Chen YL, Lee YC, Chen CJ (2011). Differences in lifting strength profiles between experienced workers and novices at various exertion heights. *International Journal of Industrial Ergonomics*, 41.1, 53-58 (SCI/SSCI)
76. Chen YL, Lee YC (2010). A follow-up study on utilization of a chopsticks training device. *Perceptual and Motor Skills*, 111.3, 1-6 (SSCI)
77. Chen SH, Lee YH, Chiou WK, Chen YL correspondence (2010). A pilot study examining seat heights and subjective ratings during rising and sitting. *International Journal of Industrial Ergonomics*, 40.1, 41-46 (SCI/SSCI)
78. Lee YC, Chen YL correspondence (2008). An auxiliary device for chopsticks operation to improve the food serving performance. *Applied Ergonomics*, 39.6, 737-742 (SCI/SSCI)
79. Chen YL, Chen WJ, Chiou WK (2007). An alternative method for measuring scoliosis curvature. *Orthopedics*, 30.10, 828-831 (SCI)
80. Chen YL (2007). Driver personality characteristics related to self-reported accident involvement and mobile phone use while driving. *Safety Science*, 45, 823-831 (SCI)
81. Chen YL (2003). Effectiveness of a new back belt in the maintenance of lumbar lordosis while sitting: a pilot study. *International Journal of Industrial Ergonomics*, 32, 299-303 (SCI/SSCI)
82. Chen YL (2003). Reply to letter to the editor. *Clinical Biomechanics*, 18.6, 566-566 (SCI)
83. Chen YL (2003). The effect of the tightness of abdominal belts on the determination of maximal acceptable weight of lift. *International Journal of Industrial Ergonomics*, 31, 111-117 (SCI/SSCI)
84. Chen YL (2003). Can Chinese MAWL be used for designing manual handling task? *American Industrial Hygiene Association Journal*, 64, 117-120 (SCI)
85. Chen YL (2000). Optimal lifting strategies adopted by Chinese men when determining their maximum acceptable weight of lift. *American Industrial Hygiene Association Journal*, 61, 642-648 (SCI)
86. Chen YL (2000). Predicting vertebral inclination of lumbar spine. *Ergonomics*, 43.6, 744-751 (SCI)
87. Chen YL (2000). Accuracy and repeatability of the stick marker technique for external measurement of the sacral angle during trunk flexion. *International Journal of Industrial Ergonomics*, 26, 101-107 (SCI/SSCI)
88. Chen YL (2000). Use of heart rate recovery cost as an index for measuring physical stress. *Journal of the Chinese Institute of Industrial Engineers*, 17.3, 341-347 (EI/TSSCI)
89. Chen YL (2000). Changes in lifting dynamics after arm fatigue. *International Journal of Industrial Ergonomics*, 25, 611-619 (SCI/SSCI)
90. Lee YH, Chen YL correspondence (2000). Regressionally determined vertebral inclination angles of lumbar spine in static lifts. *Clinical Biomechanics*, 15.9, 678-683 (SCI)
91. Chen YL (1999). Vertebral centroid measurement of lumbar lordosis compared with the Cobb technique. *Spine*, 24.17, 1786-1790 (SCI)
92. Chen YL (1999). Geometric measurements of the lumbar spine in Chinese men during trunk flexion. *Spine*, 24.7, 666-669 (SCI)
93. Chen YL (1998). Effects of shape and operation of chopsticks on food-serving performance. *Applied Ergonomics*, 29.4, 233-238 (SCI/SSCI)

94. Chen YL, Lee YH (1998). Effect of combined dynamic and static workload on heart rate recovery cost. *Ergonomics*, 41.1, 29-38 (SCI/SSCI)
95. Chen YL, Lee YH (1997). A noninvasive protocol for the determination of lumbosacral vertebral angle. *Clinical Biomechanics*, 12.3, 185-189 (SCI)
96. Lee YH, Chen YL (1996). An isometric predictor for maximal acceptable weight of lift for Chinese men. *Human Factors*, 38.4, 646-653 (SCI/SSCI)
97. Lee YH, Chen YL (1996). Strength-limiting factors for the determination of frequent and infrequent lifting capacities. *International Journal of Industrial Ergonomics*, 18.2, 51-60 (SCI/SSCI)
98. Lee YH, Chen YL (1996). An isoinertial predictor for maximal acceptable lifting weights of Chinese male subjects. *American Industrial Hygiene Association Journal*, 57.5, 456-463 (SCI)
99. Lee YH, Chen YL (1995). Comparative analysis of the workload in seated and standing horizontal submaximal lifting tasks. *Ergonomics*, 38.9, 1859-1866 (SCI/SSCI)
100. Lee YH, Chen YL (1994). A between phases comparison of biomechanical parameters of lifting postures. *Journal of the Chinese Institute of Industrial Engineers*, 11.2, 47-53 (EI/TSSCI)
101. Lee YH, Yuan CK, Chen YL (1993). An effectiveness analysis of the centered high-mounted brake light. *Journal of the Chinese Institute of Industrial Engineers*, 10.3, 203-208 (EI/TSSCI)

#### ■ 其它期刊論文

1. Yu SP, Chen YL (2025). Effect of grouping type on learning achievement of practice on Creative Thinking for Problem Solving. *Journal of Technology*, 40(1), 59-70 (EI) (in Chinese)
2. Chen YL, Yu SP (2021). Improvement of learning achievement of practice on Work Study using interdisciplinary collaboration. *Ming Chi University of Technology Journal*, 49, 67-76 (in Chinese)
3. Chen YL, Sie CC (2019). Difference in recognition time under various sign combinations between genders – an example of toilet signs, *Industrial Design*, 139, 55-59. (in Chinese)
4. Kuan WH, Chen YL, Yeh C, Huang Y (2019). Integrated habitat monitoring of environmental features to site the releasing of cultivated *Oncorhynchus masou formosanus*. In *IOP Conference Series: Earth and Environmental Science* (Vol. 344, No. 1, p. 012018). IOP Publishing.
5. Chen YL, Ou YS, Hsu SK (2019). Musculoskeletal disorders survey and simulation evaluation of the handmade drinks task: A case report. *Journal of Industrial Engineering and Management Science*, 2017.1, 149-160.
6. Huang DH, Chiou WK, Chen BH, Chen YL (2017). The design features of pictorial face design for facilitating exertion perception. *Advances in Intelligent Systems and Computing*, 488, 405-412.
7. Chen YL, Lin MH (2017). Effect of exertion conditions on maximum finger pinching-pulling force. *Industrial Design*, 135, 1-4. (in Chinese)
8. Chen YL, He KC (2016). Rotation of muscular activations while cycling with different handle heights. *Journal of Ergonomic Study*, 18.2, 93-101.
9. Chen YL (2016). Gas-cylinder handling tasks in Taiwan. *Occupational Medicine and Health Affairs*, 4.232, 1-2.
10. Chen YL, Cho ST, Chou YC, Chao H, Lin YP, Ou YS (2014). A study of the service quality and consumer behavior in Taipei YouBike. *Ming Chi University of Technology Journal*, 43.2, 71-83 (in Chinese)

11. Chen YL, Yang PJ, Chen CC, Hsia PY, Lin SK (2013). Comparative analysis of physical static and dynamic exercises using Borg's RPE 6-20 scale. *Lecture Notes in Engineering and Computer Science*, 2203.1, 840-842.
12. Chen YL, Chiang HT, Lin DY (2013). Wrist postures analysis during atilt rolling gas cylinder movement. *Lecture Notes in Engineering and Computer Science*, 2203.1, 863-865.
13. Chen YL, Hsu WZ, Hong WC (2013). Analyses of service quality and ticket price sensitivity on long-distance passenger transports —The empirical study of Aloha and Ubus. *Mingchi University of Technology Journal*, 43.1, 1-12. (in Chinese)
14. Chen YL, Cheng MS, Yu SP, Lin SP (2009). A comparative study on service quality for coffee chain stores - The empirical study of Starbucks and 85°C. *Mingchi University of Technology Journal*, 41.1, 1-10. (in Chinese)
15. Chen YL, Jang RL, Hsu TC, Lee YC, Chen CJ (2009). A preliminary study of the effects of exertion heights and horizontal distances on static horizontally pulling forces. *Mingchi University of Technology Journal*, 40.2, 63-68. (in Chinese)
16. Chen YL, Chen YJ, Chen SH (2007). Correlative analysis of musculoskeletal disorders and physical fitness for taxi drivers. *Mingchi University of Technology Journal*, 39.1, 39-47. (in Chinese)
17. Lin RT, Chen YL correspondence, Chiou WK, Chen AC, Chen CC, Yu ML (2006). A study of ergonomics curriculums in Taiwan from the business perspective. *Mingchi University of Technology Journal*, 37.2, 43-49. (in Chinese)
18. Lin RT, Chen YL correspondence, Chiou WK, Chen AC, Chen CC, Yu ML (2005). Ergonomics courses on graduate schools in Taiwan. *Journal of Ergonomic study*, 7.2, 113-124. (in Chinese)
19. Chen YL (2005). Effect of the inhibiting cellular phone use on driver's perceived risk while driving. *Journal of Ergonomic Study*, 7.1, 17-23. (in Chinese)
20. Chen YL, Chen YH, Yuan CK (2004). A case study of the critical success factors on the implementation of ERP. *Mingchi Institute of Technology Journal*, 36.1, 61-66. (in Chinese)
21. Lin RT, Chen YL correspondence, Chiou WK, Chen AC, Chen CC, Yu ML (2004). Ergonomics courses on undergraduate program in Taiwan: The present and future. *Mingchi Institute of Technology Journal*, 35.2, 21-31. (in Chinese)
22. Lin RT, Chen YL correspondence, Chiou WK, Chen AC, Chen CC, Yu ML (2002). Evaluation and development of integrated practical courses on Ergonomics. *Mingchi Institute of Technology Journal*, 34.2, 129-135. (in Chinese)
23. Chen YL (2001). A preliminary study of the effect of cellular phone use on driving behavior of individuals. *Mingchi Institute of Technology Journal*, 33, 169-172 (in Chinese)
24. Chen YL, Liu TH, Lin RT (2000). Safety evaluation of the public spaces on campus. *Mingchi Institute of Technology Journal*, 32, 145-151. (in Chinese)
25. Chen YL, Lin JS, Hsu CC, Lin RT (1999). A study of "Actuality Education" of professional and technical training of aboriginal in Ming-Chi Institute of Technology. *Mingchi Institute of Technology Journal*, 31, 191-209. (in Chinese)
26. Chen YL, Lee YH (1999). Lumbar posture effect on trunk muscle EMG in holding tasks. *Journal of Ergonomic Study*, 1.1, 39-48.
27. Lee YH, Chen YL (1997). An isometric predictor for maximal acceptable weight of lift for Chi-

nese men. *Occupational Health and Industrial Medicine*, 36.3, 101-102.

#### ■ 國際研討會論文 (近五年)

1. Hsu PC, Nguyen DD, Chen YL (2025). Biomechanical assessment of concurrent backpack carriage and smartphone use during walking at various speeds. The 25th Asia Pacific Industrial Engineering and Management Systems Conference (APIEMS 2025), Hangzhou, China.
2. Yu CS, Chen YL (2025). Evaluation of improved lower limb exoskeleton on lifting posture and muscle activity: An ergonomic assessment for industrial applications. The 25th Asia Pacific Industrial Engineering and Management Systems Conference (APIEMS 2025), Hangzhou, China.
3. Chen YL, Tang WH, Guan YX, Hung ZL (2025). Head, neck, and upper trunk movements during smartphone use with varying backpack weights while standing and walking. The 13th IIAE International Conference on Industrial Application Engineering 2025 (ICIAE 2025), Kitakyushu, Japan.
4. Chen YL, Nguyen DD, Chong HZ, Shen YH (2025). Effects of backpack load on shoulder and neck muscle activity during smartphone use while standing and walking. The 13th IIAE International Conference on Industrial Application Engineering 2025 (ICIAE 2025), Kitakyushu, Japan.
5. Chen YL, Li PY (2025). Comparative study of wrist range of motion between young and elderly populations in Taiwan. The 13th IIAE International Conference on Industrial Application Engineering 2025 (ICIAE 2025), Kitakyushu, Japan.
6. Chen YL, Hung YJ (2025). Head/neck flexion and viewing characteristics of smartphone users while walking: A preliminary study. The 13th IIAE International Conference on Industrial Application Engineering 2025 (ICIAE 2025), Kitakyushu, Japan.
7. Huang SC, Lee YC, Chen YL (2024). Comparative foot anthropometry and gender differences in the elderly Taiwanese population: Insights from a comparison with Japanese data. 2024 IEEE 10th International Conference on Applied System Innovation (IEEE ICASI 2024), Kyoto, Japan.
8. Chiu PY, Chen YL (2024). Exploring factors influencing maximum and comfortable wrist movement ranges in the elderly population of Taiwan. 2024 IEEE 10th International Conference on Applied System Innovation (IEEE ICASI 2024), Kyoto, Japan.
9. Yu S, Lee YC, Chen YL (2024). Gender and age effects on maximum grip strength and pinching strength in the elderly population of Taiwan. 2024 IEEE 10th International Conference on Applied System Innovation (IEEE ICASI 2024), Kyoto, Japan.
10. Wang SY, Chen YL (2024). The impact of varied mask coverage levels on facial identification among young Taiwanese individuals. 2024 IEEE 10th International Conference on Applied System Innovation (IEEE ICASI 2024), Kyoto, Japan.
11. Chen YL, Huang PS, Hsu CW, Chang YT (2022). Do Sleep Compression Stockings Effectively Reduce Lower-Limb Strains for University Students and Convenience Store Cashiers? The 22nd Asia Pacific Industrial Engineering and Management Systems Conference (APIEMS 2022), Taichung, Taiwan.
12. Chen YL, Hans Alexander, Hu YM (2022). Self-reported musculoskeletal discomforts among bus drivers in Taipei metropolis area. The 22nd Asia Pacific Industrial Engineering and Management Systems Conference (APIEMS 2022), Taichung, Taiwan.

13. Chen YL, Lu YE, Kao HY, Hsu YH, Rahman A, Lee YC (2022). Interpersonal Space Perception under Different Target Conditions in COVID-19 Epidemic Period. The 22nd Asia Pacific Industrial Engineering and Management Systems Conference (APIEMS 2022), Taichung, Taiwan.
14. Chen YL, Yu SP, Wu CY, Li SC, Yu TM (2022). Effect of mask coverage on face identification for Taiwanese men and women. The 22nd Asia Pacific Industrial Engineering and Management Systems Conference (APIEMS 2022), Taichung, Taiwan.
15. Chen YL, Chan YC, Zhang LP (2021). A preliminary study to examine the variabilities of the most comfort sitting postures, The 3rd International Symposium on Engineering and Technology (ISET 2021), Taichung, Taiwan.
16. Chen YL, Chen YC (2021). Differences in perceived coffee tastes of two coffee brands in Taiwan. The 57<sup>th</sup> Annual Conference of Chinese Society for Quality and 2021 International Symposium of Quality Management (ISQM 2021), Taipei, Taiwan.
17. Chen YL, Chan YC, Chou SY, Zhang LP, Tsai WL (2021). Variabilities of sitting postures determined by the most comfortable perception. The 5th International Conference on Ambient Intelligence and Ergonomics in Asia (AMIE), Penghu, Taiwan.
18. Chen YL, Lin WC, Kang PY (2019). Effects of trained flexibility on back muscle flexion-relaxation response. 2019 International Conference on Industrial Engineering and Engineering Management (IEEM 2019), Macau, China.
19. Chen YL, Sari RK, Lin WC, Liao YH (2019). Assessing span between feet of public squatting-type toilet based on squatting stability. The 20th Asia Pacific Industrial Engineering and Management Systems Conference (APIEMS 2019), Kanazawa, Japan.
20. Kuan WH, Chen YL, Yeh CS, Huang YS (2019). Integrated habitat monitoring of environmental features to site the releasing of cultivated *Oncorhynchus masou formosanus*. The 5th International Conference on Water Resource and Environment (WRE 2019), Macao, China.
21. Chen YL, Kang PY, Lee YC (2019). Lighting, liquid color, and type of containers influence volume perceptions. The 6th International Conference on Industrial Engineering and Applications (ICIEA 2019), Tokyo, Japan.
22. Chen YL, Lin WC, Nguyen HT (2019). A study of schoolbag-carrying method and body strains among young male students. The 6th International Conference on Industrial Engineering and Applications (ICIEA 2019), Tokyo, Japan.
23. Chen YL, Liao YH, Chen Y (2019). How does individual flexibility influence back muscle flexion-relaxation response when seated with a corrected lumbar posture? The 6th International Conference on Industrial Engineering and Applications (ICIEA 2019), Tokyo, Japan.

#### ■ 國內研討會論文 (近五年)

1. 邱珮芸、陳一郎、李育奇，健身車騎乘姿勢對手機網頁瀏覽的顱頸角度短時間效應，中國工業工程學會 112 年年會，逢甲大學，台中。
2. 余璇、陳一郎、李育奇，健身車類型對女性使用手機時之顱頸角度與心率的影響，中國工業工程學會 112 年年會，逢甲大學，台中。
3. Yi-Lang Chen, Yi-Ming Hu, Tsai, Hans Alexander, Andi Rahman (2022). Analyses of musculoskeletal discomfort symptoms and risk factors among bus drivers in Taipei area, The 29th Ergo-

nomics Society of Taiwan Annual Meeting and Conference, Tainan.

4. 陳一郎、林伯鴻、李正宗，工業級伺服器供應商的評選，中國工業工程學會 110 年年會，國立成功大學，台南。
5. 吳俊男、陳一郎，國人午間趴睡習慣之行為調查分析，2021 第 10 屆中華創新管理學會學術與實務研討會，國立臺中教育大學，台中。
6. 陳一郎、鄭雅庭，傳統與人因滑鼠對人體上肢負荷之訓練效應分析，人因工程學會 110 年年會，國立澎湖科技大學，澎湖。
7. 陳一郎、何珽恩、許智凱、陳右恆、詹佑群，台灣地區連鎖咖啡品牌主觀口味之差異分析，人因工程學會 110 年年會，國立澎湖科技大學，澎湖。
8. 陳一郎、蔡芳旻、徐唯宸、楊琄如、葉庭佑，伸展操對降低運動後小腿負荷之效應分析—以排球運動為例，人因工程學會 110 年年會，國立澎湖科技大學，澎湖。
9. 陳一郎、鄭世彰、陸映羽，現場機電作業人員之職業性肌肉骨骼危害分析，中國工業工程學會 109 年年會，國立雲林科技大學，雲林。
10. 陳一郎、蕾熙紗麗、林維晟、廖瑩樺，適合台灣與東南亞地區女性之蹲式公共廁所雙腳跨距設計，中國工業工程學會 108 年年會，國立台北科技大學，台北。
11. 陳一郎、陸映羽、鍾彥廷、劉邦楠、楊芷鵬，麵糰揉製作業之腕關節角度量測分析，第十七屆台塑企業應用工程技術研討會，長庚大學，桃園，2019。
12. 陳一郎、莊雅函，牙醫師職業性肌肉骨骼傷害之調查分析，第十七屆台塑企業應用工程技術研討會，長庚大學，桃園，2019。
13. 陳一郎、羅文華，不同國籍勞工肌肉骨骼傷害調查—以膠帶製造業為例，第十七屆台塑企業應用工程技術研討會，長庚大學，桃園，2019。