

C U R R I C U L U M V I T A E

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ACADEMIC EMPLOYMENT (學術經歷)

2022 (August) Retired

2000-present National Chung-Cheng University (Taiwan)

Professor, Department of Psychology (1996 to 2022)

Director, Center for Research in Cognitive Science (1997 to 2021)

Director, PhD Program in Cognitive Science (2013 to 2022)

2010-2019 Head, Division of International Cooperation and Exchange, AIM-HI

2017- 2019 Associate Dean, College of Social Sciences, National Chung Cheng University

2014-2016 Associate Dean, College of Social Sciences, National Chung Cheng University

2006-2008 National Chung-Cheng University (Taiwan)

Director, Center of International Affairs and Exchange

1997-2000 National Chung-Cheng University (Taiwan)

Professor and Chair, Department of Psychology

Director, Center for Research in Cognitive Science

1996-1997 Boston University (USA)

Visiting Scholar, Department of Cognitive and Neural Systems

1990-1996 National Chung-Cheng University (Taiwan)
Associate Professor, Department of Psychology

1988-1990 Rutgers University (USA)
Research Associate, Department of Psychology

1985-1988 State University of New York at Stony Brook (USA)
Research Assistant, Department of Psychology

1983-1985 State University of New York at Stony Brook (USA)
Teaching Assistant, Department of Psychology

EDUCATION (教育背景)

1988 Ph.D. in Experimental/Cognitive Psychology, State University of New York at
Stony Brook, U. S. A.

1979 B.S., Psychology, National Cheng-Chi University, Taipei, Taiwan

FIELD OF SPECIALIZATION (專長領域)

Visual cognition, face processing and recognition, object recognition, scene perception,
visuospatial attention, visual working memory

PUBLICATIONS (發表著作)

Referred Papers (期刊論文)

Finke, R. A., Freyd, J. J., & Shyi, G. C.-W. (1986). Implied velocity and acceleration induce transformation of visual memory. *Journal of Experimental Psychology: General*, *115*, 175-188. (SSCI)

Finke, R. A., & Shyi, G. C.-W. (1988). Mental extrapolation and representational momentum for complex implied motion. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *14*, 112-120. (SSCI)

Finke, R. A., Johnson, M. K., & Shyi, G. C.-W. (1988). Memory confusions for real and imagined completions of symmetrical visual patterns. *Memory & Cognition*, *16*, 133-137. (SSCI)

Peterson, M. A., & Shyi, G. C.-W. (1988). The detection of real and apparent concomitant rotation in a three-dimensional cube: Implications for perceptual interactions. *Perception & Psychophysics*, *44*, 31-42. (SSCI)

Boller, K., Rovee-Collier, C., Borovsky, D., O'Connor, J., & Shyi, G. C.-W. (1990). Developmental changes in the time-dependent nature of memory retrieval. *Developmental Psychology*, *26*, 770-779. (SSCI)

Shyi, G. C.-W., & Finke, R. A. (1989). The effects of expectancy on representational momentum. *Chinese Journal of Psychology*, *31*, 65-77. (TSSCI)

- Shyi, G. C.-W. (1991). The costs and benefits of orienting spatial attention in discrimination tasks. *Chinese Journal of Psychology*, 33, 23-58. (TSSCI)
- Rovee-Collier, C., Schechter, A., Shyi, G. C.-W., & Shields, P. (1992). Perceptual identification of contextual attributes and infant memory retrieval. *Developmental Psychology*, 28, 307-318. (SSCI)
- Shyi, G. C.-W., & Peterson, M. A. (1992). Perceptual organization in a brief glance: The effects of figure size, location, and attentional focus. *Chinese Journal of Psychology*, 34, 1-18. (TSSCI)
- Shyi, G. C.-W. & Chen, S.-W. (1993). The size of attentional focus and attentional movement in the visual space. *Chinese Journal of Psychology*, 35, 57-74. (NSC82-0301-H194-04) (TSSCI)
- Bhatt, R. S., Rovee-Collier, C., & Shyi, G. C.-W. (1994). Global and local processing of incidental information and memory retrieval at 6 months. *Journal of Experimental Child Psychology*, 57, 141-162. (SSCI)
- Shyi, G. C.-W., & Huang, S.-T. T. (1995). Constructing three-dimensional mental models from viewing two-dimensional displays. *Chinese Journal of Psychology*, 37(2), 101-122.(NSC83-0111-S194-003) (TSSCI)
- Huang, S.-T. T., & Shyi, G. C.-W. (1998). A comparison of 3-D mental models in solving visuospatial problems between gifted and nongifted high school students. *Proceedings of the National Science Council: Part D, 1*, 1-15. (equivalent of TSSCI)
- Huang, S.-T. T., & Shyi, G. C.-W. (2001). The assignment of absolute and relative depth in constructing 3-D mental model from viewing orthographic displays. *Chinese Journal of Psychology*, 43(1), 45-64. (TSSCI)
- Tsai, P.-L., & Shyi, C.-W. (2005). Reference frames of unilateral neglect in a visual search task. *Journal of the Occupational Therapy Association of the Republic of China*, 23, 49-61
- Day, R.-F., Shyi, G. C.-W., & Wang, J.-C. (2006). The effect of flash banners on multi-attribute decision making: Distractor or source of arousal? *Psychology & Marketing*, 23 (5), 369-382. (SSCI)
- Tsai, P.-L., & Shyi, G. C.-W. (2008). Eye movements and visual attentional frames of reference in unilateral neglect. *Journal of the Occupational Therapy Association of the Republic of China*, 26, 19-36 (in Chinese).
- Yang, J., & Shyi, G. C.-W. (2010) Face recognition and its developmental differences: A multi-level review of literature. *Applied Psychology Research*, 46, 153-230. (in Chinese)
- Shyi, G. C.-W., & He, H.-M. (2011). Effects of familiarity and expression variation on face recognition and generalization. *Chinese Journal of Psychology*, 53(4), 437-470. (TSSCI) 本人為第一作者
- Shyi, G. C.-W. (2013). A&P: A window for peeking into attention and perception research in Taiwan over the last decade. *Chinese Journal of Psychology*, 55, 359-

380. (TSSCI) 本人為第一作者

襲充文 黃世琿 葉娟妤 (民102)。台灣地區華人情緒與相關心理生理資料庫—大學生基本情緒臉部表情資料庫。 *中華心理學刊*, 55, 455-474. (TSSCI) 本人為第一作者。

(Shyi, G. C.-W., Huang, T. S.-T., & Yeh, C.-Y. (2013). Taiwan corpora of Chinese emotions and relevant psychophysiological data -- a college-student database of facial expression for basic emotions. *Chinese Journal of Psychology*, 55(4), 455-474.(in Chinese) (TSSCI)

Shyi, G. C.-W., & Wang, G. C.-C. (2016). Testing differential holistic processing within a face: No evidence of asymmetry from the complete composite task. *Frontiers in Psychology*, Front. Psychol. 7:1506.doi: 10.3389/fpsyg. (SSCI)本人為第一作者

Cheng, Y.-H., Shyi, G. C.-W., & Cheng, P. K.-H. (2016). Age differences in face memory and face processing between younger and older adults in Taiwan. *Chinese Journal of Psychology*, 58(4), 233-262. (TSSCI) 本人為通訊作者.

Chen, Y.-Y., & Shyi, G. C.-W. (2017). A comparison of identity and emotional expression processing between real and line-drawn faces. *Chinese Journal of Psychology*, 59, 105-213. MOST 102-2815-c-194-007-h. (TSSCI) 本人為通訊作者.

Liu, T.-L., Wang, P.-W., Yang, C. Y.-H., Hsiao, R. C., Su, Y.-Y., Shyi, G. C.-W., & Yen, C.-F. (2019). Deficits in facial emotion recognition and implicit attitudes toward emotion among adolescents with high functioning autism spectrum disorder. *Comprehensive Psychiatry*, 90, 7-13. (SSCI) 本人為通訊作者

Liu, T.-L., Wang, P.-W., Yang, Y.-H. C., Shyi, G. C.-W., & Yen, C.-F. (2019). Association between facial emotion recognition and bullying involvement among adolescents with high-functioning autism spectrum disorder. *International Journal of Environment Research and Public Health*, 16, 5125; doi:10.3390/ijerph16245125 (SSCI) 本人為通訊作者

Yang, J., & Shyi, G.C.-W. (2020). Image-based Approach to Face Recognition: Effects of line-drawn faces, Pigmentation & Shading, and Spatial Frequency. *Chinese Journal of Psychology*. *Chinese Journal of Psychology*, 62(1), 99-128. (in Chinese) (TSSCI)

(楊志誠 襲充文 (民 109)。以影像為基礎的臉孔辨識：探討線畫臉、色像素與光影、以及空間頻率的效應。 *中華心理學刊*, 62(1), 99-128.)

Shyi, G. C.-W., Cheng, P. K.-H., Huang, S.-T. T., Lee, C.-C., Tsai, F. F.-S., Hsieh, W.-T., & Chen, B. Y.-C. (2020). Predicting performances on processing and memorizing East Asian faces from brain activities in face-selective regions: A neurocomputational approach. *Frontiers in Human Neuroscience*. doi: 10.3389/fnhum.2020.00269 (SCI & SSCI) 本人為第一作者

Wang, C.-C., Shyi, G. C.-W., & Cheng, P. K.-H. (2021). Influence of perceptual discriminability and spatial distance on holistic processing of faces. *Frontiers in Psychology: Cognitive Science*, doi: 10.3389/fpsyg.2021.669206. (SSCI)

Lee, C. Y.-J., & Shyi, G. C.-W. (2022). Age differences in discriminating face expressions

between younger and older adults in Taiwan. *Chinese Journal of Psychology*, 64(1), 1-32. (in Chinese). (TSSCI) 本人為通訊作者

(李亞儒 襲充文 (民 111)。台灣年輕人與年長者區辨臉部表情之年齡差異。中華心理學刊, 64(1), 1-32.) (TSSCI) (本人為通訊作者)

Yu, Y.-J. K., Huang, T. S.-T., Shyi, G. C.-W., & Gong, S.-P. (2024). No best prize, but a better way: exploring the primary prevention application of rewards in School-wide Positive Behavior Support (SWPBS) programs. *Bulletin of Educational Psychology*, 56(1), 25–44

Book chapters (專書章節)

Rovee-Collier, C., & Shyi, G. C.-W. (1992). A functional and cognitive analysis of infant long-term retention. In M. L. Howe., C. J. Brainerd, & V. F. Reyna (Eds.), *Development of long-term retention* (pp. 3-55). New York, NY: Springer-Verlag.

Shyi, G. C.-W. (1999). Representational momentum and visual memory transformations. In C.-S. Li (Ed.), *Vision and Cognition*. Taipei: Yuan-Liew Publishing Co. (NSC81-0301-H194-04)

Shyi, G. C.-W. (2006). Attention: A Cognitive-Neuroscience Perspective. In H.-C. Chen (Ed.) *Cognitive Psychology*. Hong Kong: Chinese University of Hong King. (in Chinese)

Conference Presentations

Wickens, D. D., Shyi, G.C.-W., and Kau, A. S.-M. (1983). *Encoding, search, and retrieval processes of two languages by Chinese-English bilinguals*. Paper presented at the meeting of the Midwestern Psychological Association, Chicago, IL.

Finke, R. A., Freyd, J. J., and Shyi, G. C.-W. (1985). *Memory distortions induced by implied velocity and acceleration*. Paper presented at the meeting of the Psychonomic Society, Boston, MA.

Shyi, G. C.-W., and Peterson, M. A. (1985). *The evidence of the perceptual nature of the effect of intention on object perception*. Paper presented at the meeting of the Eastern Psychological Association, Boston, MA.

Finke, R. A., and Shyi, G. C.-W. (1986). *Mental representation and visual memory distortions*. Paper presented at the meeting of the Eastern Psychological Association, New York, NY.

Shyi, G. C.-W. (1986). *Role of extrapolation in visual memory distortions*. Paper presented at the symposium entitled, "Exploring the phenomenon of representational momentum," American Psychological Association, Washington, D. C.

Shyi, G. C.-W., and Peterson, M. A. (1986). *The post-categorical nature of a glance of an object: Evidence from a partial-report*. Paper presented at the meeting of the Eastern Psychological Association, New York, NY.

Shyi, G. C.-W., and Peterson, M. A. (1987). *The perceptual organization of briefly seen figures: Separating detail from gist*. Paper presented at the meeting of the Eastern Psychological Association, Arlington, VA.

Shyi, G. C.-W. (1988). *The limitations in orienting attention: Effects of stimulus analysis and task*. Paper presented at the meeting of the Eastern Psychological Association, Buffalo, NY.

Boller, K., Rovee-Collier, C., and Shyi, G. C.-W. (1989). *The time course of reactivated memories in six-month-olds*. Paper presented at the meeting of the American Psychological Society, Alexandria, VA.

- Shyi, G. C.-W. (1989). *Orienting attention in discrimination tasks: The effects of task complexity on attentional costs and benefits*. Paper presented at the meeting of the Eastern Psychological Association, Boston, MA.
- Shyi, G. C.-W., Schechter, A., Rovee-Collier, C., and Shields, P. (1989). *Memory retrieval of contextual attributes at 6 months*. Paper presented at the meeting of the American Psychological Society, Alexandria, VA.
- Shyi, G. C.-W. (1990). *The effects of configuration and component information on retrieval at 6 months*. Paper presented at the meeting of the Eastern Psychological Association, Philadelphia, PA.
- Shyi, G. C.-W. (1990). *Orienting attention in complex tasks*. Paper presented at the annual meeting of the Chinese Psychological Association, Chung-Li, Taoyuan, Taiwan.
- Shyi, G. C.-W. (1991). *The effects of expectancy on representational momentum*. Paper presented at the meeting of the Eastern Psychological Association, New York, NY.
- Shyi, G. C.-W., & Peterson, M. A. (1992). *Perceived organization in a brief glance*. Paper presented at the annual meeting of the Eastern Psychological Association, Boston, MA.
- Shyi, G. C.-W., & Chen, S.-W. (1992). *The size of attentional focus and the speed of attentional movement*. Paper presented at the conference entitled, "Attention: theoretical and clinical perspectives," Baycrest Center of University of Toronto, Toronto, Canada. (NSC82-0301-H194-04)
- Shyi, G. C.-W., Tzeng, C.-H., Chen, S.-T., Tsao, F.-M., & Chen, S.-W. (1992). *The tone-sandhi rule and short-term memory*. Paper presented at the First International Conference in Chinese Linguistics, Singapore.
- Shyi, G. C.-W. (1993). *Cognitive impenetrability of representational momentum: Some further evidence*. Paper presented at the annual meeting of the Eastern Psychological Association, Arlington, VA. (NSC81-0301-H194-04)
- Shyi, G. C.-W., & Chen, S.-W. (1993). *Expanding and contracting: Characterizing attentional movement in visual space*. Paper presented at the annual meeting of the Eastern Psychological Association, Arlington, VA. (NSC82-0301-H194-04)
- Shyi, G. C.-W., & Kuo, W.-R. (1994). *Endogenous and exogenous control of attentional movement in the visual space*. Paper presented at the annual meeting of the Eastern Psychological Association, Providence, RI. (NSC82-0301-H194-04)
- Shyi, G. C.-W., & S.-H. T. Huang (1994). *Constructing three-dimensional mental models from two-dimensional displays*. Paper presented at the Second Design and Decision Support Systems conference, Vaals, The Netherlands. (NSC83-0111-S194-003)
- Chen, S.-W., & Shyi, G. C.-W. (1994). *The nature of visual processing during the movement of spatial attention*. Paper presented at the annual meeting of the Chinese Psychological Association, Taipei, Taiwan, R. O. C.
- Shyi, G. C.-W., & Kong, C.-C. (1995). *Representational momentum in three-dimensional space*. Paper presented at the annual meeting of the Eastern Psychological Association, Boston, MA. (NSC83-0111-S194-002)
- Huang, S.-T. T., & Shyi, G. C.-W. G. (1996). *From 2D to 3D: An analysis of componential skills*. Paper presented at the Memorial Conference for Dr. C.-T. Chang, April, 20-21, Chia-Yi, Taiwan, ROC.
- Shyi, G. C.-W., & Cheng, K.-S. (1996). *The role of spatial attention in visual object recognition*. Paper presented at the XXVI International Congress of Psychology, August 16-21, Montreal, Canada.
- Huang, S.-T. T., & Shyi, G. C.-W. G. (1996). *Effects of complexity, viewpoint, and focus of attention on constructing three-dimensional mental models*. Paper presented at the XXVI International Congress of Psychology, August 16-21, Montreal, Canada.
- Huang, S.-T. T., Chiang, C.-R., & Shyi, G. C.-W. G. (1996). *The role of alignment in constructing 3D mental models from viewing 2D displays*. Paper presented at the 67th annual meeting of the Eastern Psychological Association, March 29-31, Philadelphia, PA, USA.

- Huang, S.-T. T., & Shyi, G. C.-W. (1997). *A comparison of mental models in solving visuo-spatial problems between gifted and non-gifted high school students*. Paper presented at the 68th annual meeting of the Eastern Psychological Association, April 10-13, Washington, D. C., USA.
- Shyi, G. C.-W., & Kong, C.-C. (1997). *Motion extrapolation in 3-D space: A comparison of dynamic spatial abilities between scientifically gifted and non-gifted high-schoolers. Representational momentum in three-dimensional space*. Paper presented at the annual meeting of the 68th Eastern Psychological Association, April 10-13, Washington, D. C., USA.
- Shyi, G. C.-W., & Huang, S.-T. (1997). *A mental-model based system of diagnosing and assisting the learning of basic mechanics (I)*. Paper presented at the First Global Chinese Conference of Computers in Education, May 22-26, Guanzou, China.
- Chen, S.-W., & Shyi, G. C.-W. (1997). *Spatial attention and object recognition*. Paper presented at the Annual Meeting of the Chinese Psychological Association, Nan Kang, Taipei, Taiwan.
- Chen, S.-W., & Shyi, G. C.-W. (1998). *The basis of attentional selectivity in the visual space*. Paper presented at the Annual Meeting of the Chinese Psychological Association, Nan Kang, Taipei, Taiwan.
- Shyi, G. C.-W., Goldstone, R. L., & Hummel, J. E. (1998). *Computing representations for bound and unbound 3-D object matching*. Paper presented at the 2nd International Conference on Cognitive and Neural Systems, Boston, MA.
- Shyi, G. C.-W., & Chen, S.-W., (1998). *Spatial precuing does not reduce illusory conjunction in perceiving 3-D objects*. Paper presented at the 39th meeting of the Psychonomic Society, Dallas, TX.
- Shyi, G. C.-W., & S.-T. T. Huang (1999). *MENMOD: An mental-model approach to the design and construction of an intelligent tutoring system in basic mechanics*. Paper present at the 7th International Conference of Computers in Education, Chiba, Japan.
- Shyi, G. C.-W., Lin, C.-M. (1999). *Computing representation for object recognition in visual search*. Paper presented at the 3rd International Conference on Cognitive and Neural Systems, Boston, MA.
- Shyi, G. C.-W., Chuang, H.-H., & Huang, S.-T. T. (1999). *An eye-movement analysis of the dynamic processes in constructing 3-D mental models*. Paper presented at the 40th meeting of the Psychonomic Society, Los Angeles, CA.
- Shyi, G. C.-W. (2000). *Computing representations for visual recognition of 3D objects*. Paper presented at the NWO/NSC Joint Workshop in Cognitive Science, Arnhem, The Netherlands, April 24-27, 2000.
- Shyi, G. C.-W., H.-H. Chuan, & C.-M. Lin (2000). *Computing representations for object recognition in visual search: An eye-movement analysis*. Paper presented at the 41th meeting of the Psychonomic Society, New Orleans, Louisiana.
- Shyi, G. C.-W., & T. S.-T. Huang (2000). *Microgenetic analysis of conceptual changes in learning basic mechanics*. Paper presented at the ICCE/ICCAI 2000, Taipei, Taiwan.
- Shyi, G. C.-W., & Liao, C.-N. (2001). *Extracting volumetric shape attributes for object recognition in visual search: An eye-movement analysis*. Paper presented at the 3rd International conference on Cognitive Science, Beijing, China.
- Huang, S.-T. T., & Shyi, G. C.-W. (2001). *Depth alignment in constructing 3-D mental models: An eye-movement analysis*. Paper presented at the 3rd International conference on Cognitive Science, Beijing, China.
- Shyi, G. C.-W., & Huang, S.-T. T. (2002). *ISAAC: An Integrated Web-based Interactive System for Learning Basic Mechanics*. Paper presented at the Network Learning 2002 conference, Berlin, Germany.
- Shyi, G. C.-W., & Tseng, Y.-C. T. (2002). *Guided search of 3-D volumetric shapes*. Paper presented at the 41st Annual Meeting of the Chinese Psychological Association, Tainan, Taiwan.

- Tsai, P.-L., & Shyi, G. C.-W. (2002). *An investigation of the attentional deficits and reference frame in neglect patients*. Paper presented at the 41st Annual Meeting of the Chinese Psychological Association, Tainan, Taiwan.
- Shyi, G. C.-W. (2002). *Neuropsychological aspects on visual agnosia*. Paper presented at the 5th Zealandia Symposium on Behavioral Neuroscience: Focus on parietal lobe. Tainan, Taiwan.
- Shyi, G. C.-W. & Tsai, P.-L. (2003). *Constraining the spread of attention within an object: Elimination of the SOE*. Paper presented at the 44th Annual Meeting of the Psychonomic Society, Vancouver, Canada.
- Yang J., & Shyi, G. C.-W. (2003). *The development of facial recognition: Can training help?* Paper presented at the Annual Meeting of the Chinese Psychological Association, Hsin-Chuan, Taipei.
- Tsai P.-L., & Shyi, G. C.-W. (2003). *The limitation of object-based attention of selection: The effect of object complexity*. Paper presented at the Annual Meeting of the Chinese Psychological Association, Hsin-Chuan, Taipei.
- Yang, J., & Shyi, G. C.-W. (2004). *Developmental differences and effect of training on face perception: Proposal of new measurements*. Paper presented at the 12th Workshop on Object perception, Attention, and Memory (OPAM), Minneapolis, MN, USA.
- Shyi, G. C.-W. & Tseng, Y.-C. (2004). *Spatial modulation of spreading attention within and across visual objects*. Poster presented at the 45th Annual Meeting of the Psychonomic Society, Minneapolis, USA.
- Tsai, P.-L., & Shyi, G. C.-W. (2004). *Can the SOE be resurrected? It depends on where you look*. Poster presented at the 12th Workshop on Object perception, Attention, and Memory (OPAM), Minneapolis, MN, USA.
- Shyi, G. C.-W., Tseng, Y.-C., & Yang, J. (2005). *Spatial modulation of spreading attention within and across visual objects*. Paper presented at the International Conference on Attentional Control. Chiayi, Taiwan.
- Shyi, G. C.-W. (2005). *The case for and against internal representations: Images, Surfaces, & Objects*. Invited speech at the *Workshop on Fundamental Issues in Cognitive Science*, Taipei, Taiwan.
- Yang, J., & Shyi, G. C.-W. (2005). *Developmental difference in configural processing: A schema effect?* Paper presented at the 2005 International Symposium on body and Cognition: A Multi-disciplinary Perspective, Taipei, Taiwan.
- Tsai, P.-L., & Shyi, G. C.-W. (2005). *Eliminating and restoring the same-object effect: The role of eye movement in overt object-based attention*. Paper presented at the 9th Attention and Perception Conference, Chiayi, Taiwan.
- Day, R.-F., & Shyi, G. C.-W. (2005). *The effect of flash advertisement on multi-attribute decision making*. Paper presented at the 9th Attention and Perception Conference, Chiayi, Taiwan.
- Yang, J., & Shyi, G. C.-W. (2005). *Memory for configural information of faces: The case of celebrity*. Paper presented at the European Conference on Visual Perception (ECVP), Spain.
- Chen, H.-C., & Shyi, G. C.-W. (2005). *Perceiving figural possibility: A comparison of covert and overt attention*. Poster presented at the Workshop on Action, Perception, and Consciousness, Taipei, Taiwan.
- Yun, K. C., & Shyi, G. C.-W. (2005). *Capacity of visual working memory for 3-D volumetric shapes*. Poster presented at the Workshop on Action, Perception, and Consciousness, Taipei, Taiwan.
- Li, W.-C., & Shyi, G. C.-W. (2005). *Working memory for language processing and color change detection*. Poster presented at the Workshop on Action, Perception, and Consciousness, Taipei, Taiwan.

- Shyi, G. C.-W., Hsieh, H.-Y., & Tseng, Y.-C. (2005). *Priority setting modulates allocation of object-based attention*. Poster presented at the 46th Annual Meeting of the Psychonomic Society, Toronto, Canada.
- Yun, K. C., & Shyi, G. C.-W. (2006). *Encoding and storing 3D volumetric shapes in visual working memory*. Paper presented at the Brain and Cognition Workshop, Taipei, Taiwan.
- Li, W.-C., & Shyi, G. C.-W. (2006). *Competing for cross-domain processing resources between sentence reading and color-change detection*. Paper presented at the Brain and Cognition Workshop, Taipei, Taiwan.
- Wang, Y., & Shyi, G. C.-W. (2006). *Processing of facial expression and gaze direction: A Comparison of approach-oriented and avoidance-oriented emotions*. Paper presented at the Brain and Cognition Workshop, Taipei, Taiwan.
- Shyi, G. C.-W., & Chen, H.-C. (2006). *Piecemeal and holistic processing in perceiving and judging figural (im)possibility: An eye movement analysis*. Poster presented at the 29th European Conference on Visual Perception (ECVP 2006), St. Petersburg, Russia.
- Chen, M. J., & Shyi, G. C.-W. (2006). *Inattentional blindness and attentional set*. Paper presented at the 45th Annual Meeting of the Taiwanese Psychological Association, Taipei, Taiwan.
- Yuen, K.-M., & Shyi, G. C.-W. (2006). *Exogenous and endogenous orienting of attention can reduce change blindness*. Paper presented at the 45th Annual Meeting of the Taiwanese Psychological Association, Taipei, Taiwan.
- He, H.-M., & Shyi, G. C.-W. (2006). *The effects of familiarity type on face representation and facial processing*. Paper presented at the 45th Annual Meeting of the Taiwanese Psychological Association, Taipei, Taiwan.
- Wang, Y., & Shyi, G. C.-W. (2006). *Processing of facial expression and gaze direction: Simultaneously comparing approach-oriented emotions with avoidance-oriented emotions*. Paper presented at the 45th Annual Meeting of the Taiwanese Psychological Association, Taipei, Taiwan.
- Kuo, M., & Shyi, G. C.-W. (2007). *Capturing attention via motion signals in a difficult visual search task*. Paper presented at the 12th International Workshop on Attention and Perception, Chiayi, Taiwan.
- Wang, Y., & Shyi, G. C.-W. (2007). *Can gaze direction facilitate the perception of facial expression? A further test of the shared-signal hypothesis*. Paper presented at the 12th International Workshop on Attention and Perception, Chiayi, Taiwan.
- He, H.-M., & Shyi, G. C.-W. (2007). *Effects of familiarity and expression variation on face memory*. Paper presented at the 12th International Workshop on Attention and Perception, Chiayi, Taiwan.
- Shyi, G. C.-W., & Yuen, K.-M. (2007). *Effects of exogenous and endogenous orienting of attention on change detection*. Paper presented at the 48th Annual Meeting of Psychonomic Society, Long Beach, USA.
- Tsai, S.-T., & Shyi, G. C.-W. (2008). *The spatial distribution of exogenous and endogenous orienting of attention in change detection*. Paper presented at the 47th Annual Meeting of the Taiwanese Psychological Association, Taipei, Taiwan.
- Liu, Y.-L., Shyi, G. C.-W., & Yun, K.-C. (2008). *Capacity of visual working memory for 3-D volumetric shapes: A further assessment*. Paper presented at the 47th Annual Meeting of the Taiwanese Psychological Association, Taipei, Taiwan.
- Yen, S.-C., & Shyi, G. C.-W. (2008). *Schema activation and object-token identification in scene perception: A study of age differences*. Paper presented at the 47th Annual Meeting of the Taiwanese Psychological Association, Taipei, Taiwan.
- Shyi, G. C.-W., & Chien, S.-E. (2008). *Differential distribution of visuospatial attention in tracking multiple moving object*. Paper presented at the 49th Annual Meeting of Psychonomic Society, Chicago, USA.
- Shyi, G. C.-W., & Chan, Y.-T. (2009). *Effects of object-scene association on change*

- detection in natural scenes*. Paper presented at the 50th Annual Meeting of Psychonomic Society, Boston, MA, USA.
- Shyi, G. C.-W. (2010). *A database of facial expression for basic emotions among Taiwanese-Chinese college students*. Technical Report of Center for Research in Cognitive Science, National Chung Cheng University, Chiayi, Taiwan.
- Shyi, G. C.-W., He, H.-M., & Wang, G. C.-C. (2010). *Effects of exposure frequency and expression variation on face recognition and generalization*. Paper presented at the 51st Annual Meeting of the Psychonomic Society, St. Louis, MO, USA.
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- Tsai, W.-N., Shyi, G. C.-W., & S.-T. T. Huang (2021). *Psychophysical scaling of dynamic episode-based affective database: A paired-comparison approach*. Poster presented at the 21th (virtual) Annual Meeting of Vision Sciences Society (v-VSS), USA.
- Shyi, G. C.-W., Peng, V. T.-Y., Cheng P. K.-H., Wang, C. L.-S., & S.-T. T. Huang. (May, 2022). *Orienting attention diminishes automatic binding and context shift decrement between faces and scenes: An fMRI study*. Poster presented at the 22nd Annual Meeting of Vision Sciences Society, Florida, USA.
- Peng, V. T.-Y., Shyi, G. C.-W., , Cheng P. K.-H., Wang, C. L.-S., & S.-T. T. Huang. (May, 2022). *Neural Correlates of Attentional Modulation on Encoding and Retrieval of Face-Scene Compound Images: An fMRI Study*. Poster presented at the 22nd Annual Meeting of Vision Sciences Society, Florida, USA.
- Shyi, G. C.-W., Peng, V. T.-Y., Cheng P. K.-H., Wang, C. L.-S., & S.-T. T. Huang. (October, 2022). *Neural mechanisms underlying binding and differentiating face-scene images in episodic memory*. Paper presented at the 61st Annual Meeting of Taiwanese Psychological Association, Taipei, Taiwan.
- Wang, A. T.-D., Lai, J. I.-T., & Shyi, G. C.-W. (June, 2022). *Brain mechanisms in differentiating self- vs. other-related processing in dynamic emotional exchange*. Poster presented at the (virtual) Annual Meeting of Vision Sciences Society (v-VSS), Florida, USA.
- Lam, L. W.-C., & Shyi, G. C.-W. (June 2022). *The modulation of face image and exposure frequency on amygdala activation to trustworthiness*. Poster presented at the (virtual) Annual Meeting of Vision Sciences Society (v-VSS), Florida, USA.
- Shyi, G. C.-W., Cheng P. K.-H., Peng, V. T.-Y., & S.-T. T. Huang (January 2023) *Neural mechanisms underlying binding and differentiating face-scene composites in episodic memory*. Paper presented at the Taiwan Society for Cognitive Neuroscience Annual Meeting, Taoyuan, Taiwan.
- Shyi, G. C.-W., Cheng P. K.-H., Peng, V. T.-Y., & S.-T. T. Huang (July 2024) *Neural mechanisms underlying binding and differentiating face-scene composites in episodic memory*. Invited talk at the 2nd TMCP (Theory and Methods in Configural Processing), Taipei Medical University, Taipei, Taiwan.
- Shyi, G. C.-W., Cheng P. K.-H., Peng, V. T.-Y., & S.-T. T. Huang (August, 2024). *Task modulation of functional connectivity between brain regions selective for face and scene processing: A generalized PPI (gPPI) approach*. Poster at the 3rd Taiwan Society for Neurosciences (TSfN), Taipei, Taiwan.