



**Su-Ling Yeh (葉素玲), Ph.D.**

*Curriculum Vitae*

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**Education**

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- 1994 Ph.D., Psychology, University of California at Berkeley, California, United States  
1987 M.S., Psychology, National Taiwan University, Taiwan  
1985 B.S., Psychology, National Taiwan University, Taiwan

**Academic Positions**

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- 2020-present **Associate Dean**, College of Science, National Taiwan University (臺大理學院副院長)  
2018-present **Associate Director**, Center for Artificial Intelligence and Advanced Robotics, National Taiwan University (臺大人工智慧與機器人研究中心副主任)  
2012-present **Lifetime Distinguished Professor**, Department of Psychology, National Taiwan University (臺大心理系終身特聘教授)  
2010-present **Jointly Appointed Professor**, Graduate Institute of Brain and Mind Sciences, College of Medicine, National Taiwan University (臺大醫學院腦與心智科學研究所合聘教授)  
2004-present **Full Professor**, Department of Psychology, National Taiwan University (臺大心理系教授)

**Professional Experience**

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- 2019-2020 **Stanford-Taiwan Social Science Fellow**, at the Center for Advanced Study in the Behavioral Sciences, Stanford University, USA (美國史丹佛大學行為科學高等研究中心研究員)  
2018-present **Association for Psychological Science (APS) fellow**, USA (美國心理科學學會會士)  
2017Nov-Dec **Visiting Scholar**, Kyoto University, Japan  
2017Sept-Oct **Visiting Scholar**, Tohoku University, Japan  
2013-2016 **Head of Department**, Department of Psychology, National Taiwan University, Taiwan (臺大心理系系主任)  
2010-2016 **Associate Director**, Neurobiology and Cognitive Science Center, National Taiwan University, Taiwan (臺大神經生物與認知科學中心副主任)  
2008Jul-Aug **Visiting Scholar**, Department of Experimental Psychology, Oxford University, UK  
2008Apr **Visiting Scholar**, Paris Descartes University, France  
2006-2012 **Distinguished Professor**, Department of Psychology, National Taiwan University, Taiwan (臺大心理系特聘教授)  
1995-2004 **Associate Professor**, Department of Psychology, National Taiwan University, Taiwan  
1994-1995 **Lecturer**, Department of Psychology, National Taiwan University, Taiwan

## Major Awards and Honors

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### Research

- 2014 **Academic Award of Ministry of Education**, Ministry of Education, Taiwan  
(教育部學術獎)
- 2002, 2012 **Distinguished Research Award (Twice)**, National Science Council of Taiwan  
(兩次科技部傑出獎)
- 2004 **Research Contribution Award in Humanities and Social Sciences**, National Taiwan University (臺大人文社會研究貢獻獎)
- 2002-2003 **Da-Yo Memorial Award**, National Science Council of Taiwan  
(科技部吳大猷先生紀念獎)
- 1996-2000 **Recipient of Research Awards (Five times)**, National Science Council of Taiwan
- 2000 **Elected outstanding scholar** for the NOW/NSC joint program on cognitive science, National Science Council of Taiwan and NOW, Arnhem, the Netherlands
- 2000 **Award for supervision of NSC Independent Research**, National Science Council of Taiwan  
(科技部指導學生創作獎)

### Teaching

- 2006, 2012 **Distinguished Teaching Award for Best Teachers at NTU (Twice)** (兩次臺大教學傑出獎)
- 2004-2005 **Teaching Award for Best Teachers at NTU (Twice)**(兩次臺大教學優良教師獎)
- 2003-2005 **Teaching Award of Best Teachers at the College of Science of NTU (Three times)**, National Taiwan University (三次臺大理院教學優良教師獎)
- 2002 **Course Award**, Computer and Information Networking Center, National Taiwan University  
*For the web-based multimedia instructional course "Sensation and Perception"*

### Research Interests

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1. **Consciousness**: conscious and unconscious mental processes, attention and consciousness, body sensation and self-consciousness, meta-awareness, gut feeling
2. **Attention and Perception**: spatial attention, object-based attention, attentional capture, effect of attention on perception, eye movements
3. **Multisensory Perception**: cross-modal interaction between vision, audition, touch, smell, proprioception, etc.
4. **Psycholinguistics**: reading, semantic processing, visual word (character) recognition, perceptual organization of Chinese characters
5. **Applied Research on Image Processing and Display**: 3D displays design, power-saving of low backlight displays, a model to predict attention allocation for displays, relationship between display refresh rate and motion artifacts, blue-light filters, gaze contingent display and applications, eye tracking device, mean size, left-side bias, domain specific or general
6. **Blue Light Effect**: influence of different light spectrum on emotion, perception, and cognition.
7. **Psychological Approach to Assistive Robots**: human-centered problem-solving, human-robot interaction, social robotics, assistive robots for aging population
8. **Potential Gain in Statistical Regularity in Aging**: statistical regularity of Chinese idioms, representational momentum, and emotional faces in different age groups
9. **Affective Computing**: detection of affective state, attention, and mind wandering, attention training
10. **Fintech**: financial decisions making process through psychological lens
11. **Communication**: communication patterns of older adults and younger adults, intergenerational Communication

**2022**

105. Chang, Y. L., Luo, D. H., Huang, T. R., Goh, J. O. S., **Yeh, S. L.**, & Fu, L. C. (in press). Identifying mild cognitive impairment by using human-robot interactions. *Journal of Alzheimer's Disease*.
104. Hsu, T. Y., Zhou, J. F., **Yeh, S. L.\***, Northoff, G., & Lane, T. J. (2022). Intrinsic neural activity predisposes susceptibility to a body illusion. *Cerebral Cortex Communications*, 3(1), tgac012.
103. Lo, S. Y., Lai, Y. Y., Liu, J.C., & **Yeh, S. L.\***(2022). Robots and sustainability: Robots as persuaders to promote recycling. *International Journal of Social Robotics*, 1-12.
102. Liu, J. C., Li, K. A., **Yeh, S. L.\***, & Chien, S. Y. (2022). Assessing Perceptual Load and Cognitive Load by Fixation-Related Information of Eye Movements. *Sensors*, 22(3), 1187.
101. Pan, J., Yan, M., & **Yeh, S. L.\*** (2022). Accessing Semantic Information from above: Parafoveal Processing during the reading of vertically presented sentences in Traditional Chinese. *Cognitive Science*, 46(2), e13104.

**2021**

100. Lee, H. H., Chen, Z. L., **Yeh, S. L.\***, Hsiao, J. H. W., & Wu, A. A. Y. (2021). When eyes wander around: Mind-wandering as revealed by eye movement analysis with hidden Markov models. *Sensors*, 21(22), 7569.
99. Chen, Y. C., **Yeh, S. L.\***, Huang, T. R., Chang, Y. L., Goh, J. O. S., & Fu, L. C. (2021). Social Robots for Evaluating Attention State in Older Adults. *Sensors*, 21(21), 7142.
98. Chen, Y. C., **Yeh, S. L.\***, & Tang, P. F. (2021). Age-related changes in audiovisual simultaneity perception and their relationship with working memory. *The Journals of Gerontology: Series B*, 76(6), 1095-1103.
97. Hsiao, J. H., Chan, A. B., An, J., **Yeh, S. L.**, & Jingling, L. (2021). Understanding the collinear masking effect in visual search through eye tracking. *Psychonomic Bulletin & Review*, 28(6), 1933-1943.
96. Lee, H. H., Tu, Y. C., & **Yeh, S. L.\*** (2021). In search of blue-light effects on cognitive control. *Scientific Reports*, 11, 15505.
95. Lee, H. H., & **Yeh, S. L.\*** (2021). Blue-light effects on saccadic eye movements and attentional disengagement. *Attention, Perception, & Psychophysics*, 83(4), 1713-1728.

**2020**

94. Huang, T. R., Liu, Y. W., Hsu, S. M., Goh, J. O. S., Chang, Y. L., **Yeh, S. L.**, & Fu, L. C. (2020). Asynchronously embedding psychological test questions into human-robot conversations for user profiling. *International Journal of Social Robotics*, 13(6), 1359-1368.
93. Chen, J. H., Kuo, T. Y., Yu, H. L., Wu, C., **Yeh, S. L.**, Chiou, J. M., Cheng, T. F., Chen, Y. C. (2020). Long-term exposure to air pollutants and cognitive function in Taiwanese community-dwelling older adults: A four-year cohort study. *Journal of Alzheimer's Disease*, 78(4), 1585-1600.
92. Chen, Y. T., Lee, H. H., Shih, C. Y., Chen, Z. L., Beh, W. K., **Yeh, S. L.**, & Wu, A. Y. (2020). An effective entropy-assisted mind-wandering detection system with EEG signals based on MM-SART database. *arXiv preprint arXiv:2005.12076*.
91. Chien, S. E., Chen, Y. C., Matsumoto, A., Yamashita, W., Shih, K. T., Tsujimura, S. I., **Yeh, S. L.\*** (2020). The modulation of background color on perceiving audiovisual simultaneity. *Vision Research*, 172, 1-10.
90. Tu, Y. C., Chien, S. E., & **Yeh, S. L.\*** (2020). Age-related differences in the uncanny valley effect. *Gerontology*, 66(4), 382-392.

**2019**

89. Chu, L., Chen, H. W., Cheng, P. Y., Ho, P., Weng, I. T., Yang, P. L., Chien, S. E., Tu, Y. C., Yang, C. C., Wang, T. M., Fung, H. H., & **Yeh, S. L.\*** (2019). Identifying features that enhance older adults' acceptance of robots: A mixed methods study. *Gerontology*, 65(4), 441-450.
88. Chien, S. E., Chu, L., Lee, H. H., Yang, C. C., Lin, F. H., Yang, P. L., Wang, T. M., & **Yeh, S. L.\*** (2019). Age difference in perceived ease of use, curiosity, and implicit negative attitude toward robots. *ACM*

*Transactions on Human-Robot Interaction*, 8(2), 1-19.

87. Chen, H. W., & Yeh, S. L.\* (2019). Effects of Blue Light on Dynamic Vision. *Frontiers in Psychology*, 10, 497.

## **2018**

86. Yang, Y. H. & Yeh, S. L.\* (2018). Can emotional content be extracted under interocular suppression? *PLoS ONE*, 13(11): e0206799.
85. Yang, P. L., Tsujimura, S. I., Matsumoto, A., Yamashita, W., & Yeh, S. L.\* (2018). Subjective time expansion with increased stimulation of intrinsically photosensitive retinal ganglion cells. *Scientific Reports*, 8, 11693.
84. Lo, S. Y., & Yeh, S. L.\* (2018). Does “a picture is worth 1000 words” apply to iconic Chinese words? Relationship of Chinese words and pictures. *Scientific Reports*, 8, 8289.
83. Liu, T., Yeh, S. L., & Hsiao, J. (2018). Transfer of the left-side bias effect in perceptual expertise: The case of simplified and traditional Chinese character recognition. *PLoS ONE*, 13(4): e0194405.
82. Chu, C. Y., Chen, S., Yen, Y. C., Yeh, S. L., Chu, H. H., & Huang, P. (2018). EQ: A QoE-Centric Rate Control Mechanism for VoIP Calls. *Transactions on Modeling and Performance Evaluation of Computing Systems*, 3(1), 4.
81. Yang, Y. H., & Yeh, S. L.\* (2018). Unconscious processing of facial expression as revealed by affective priming under continuous flash suppression. *Psychonomic Bulletin & Review*, 25(6), 2215-2223.

## **2017**

80. Chou, W. L., & Yeh, S. L.\* (2017). Dissociating Location-Based and Object-Based Cue Validity Effects in Object-Based Attention. *Vision Research*, 143, 34-41.
79. Yeh, S. L.\*, Lane, T., Chang, A. Y., & Chien, S. E. (2017). Switching to the rubber hand. *Frontiers in Psychology*, 8, 2172.
78. Yeh, S. L.\*, Chou, W. L., & Ho, P. (2017). Lexical processing of Chinese sub-character components: Semantic activation of phonetic radicals as revealed by the Stroop effect. *Scientific Reports*, 7, 15782.
77. Li, K. A., & Yeh, S. L.\* (2017). Mean size estimation yields left-side bias: Role of attention on perceptual averaging. *Attention, Perception & Psychophysics*, 79, 2538-2551.
76. Yang, Y. H., Zhou, J., Li, K. A., Hung, T., Pegna, A. J. & Yeh, S. L.\* (2017). Opposite ERP effects for conscious and unconscious semantic processing under continuous flash suppression. *Consciousness and Cognition*, 54, 114-128.
75. Yang, Y. H., Tien, Y. H., Yang, P. L., & Yeh, S. L.\* (2017). Role of consciousness in temporal integration of semantic information. *Cognitive, Affective, and Behavioral Neuroscience*, 17(5), 954-972.
74. Lane, T., Yeh, S. L.\*, Tseng, P. & Chang, A. Y. (2017). Timing disownership experiences in the rubber hand illusion. *Cognitive Research: Principles and Implications*, 2(1), 4.

## **2016**

73. Shih, K. T., Liu, J. S., Shyu, J. S., Yeh, S. L., & Chen, H. H. (2016). Blocking harmful blue light while preserving image color appearance. *ACM Transactions on Graphics (TOG)*, 35(6), 175, 1-10.
72. Chen, Y. C., & Yeh, S. L.\* (2016). Examining radical position and function in Chinese character recognition using the repetition blindness paradigm. *Language, Cognition, and Neuroscience*, 32(1), 37-54
71. Zhou, J., Lee, C. L., & Yeh, S. L.\* (2016). Word meanings survive visual crowding: Evidence from ERPs. *Language, Cognition, and Neuroscience*, 31(9), 1167-1177.
70. Ho, M. C., Li, S. H., & Yeh, S. L.\* (2016). Early attentional bias for negative words when competition is induced. *Attention, Perception, and Psychophysics*, 78, 1030-1042.
69. Liu, T., Chuk, T., Yeh, S. L., & Hsiao, J. H. (2016). Transfer of perceptual expertise: the case of simplified and traditional Chinese character recognition. *Cognitive Science*, 40(2), 1941-1968.
68. Zhou, J., Lee, C. L., Li, K. A., Tien, Y. H., & Yeh, S. L.\* (2016). Does temporal integration occur for unrecognizable words in visual crowding? *PLoS ONE*, 11(2), e0149355.
67. Lin, S. Y., & Yeh, S. L.\* (2016). Interocular grouping without awareness. *Vision Research*, 121, 23-30.

## **2015**

66. Tan, J. S., & **Yeh, S. L.\*** (2015). Audiovisual integration facilitates unconscious visual scene processing. *Journal of Experimental Psychology: Human Perception and Performance*, 41(5), 1325-1335.
65. Huang, T. H., **Yeh, S. L.**, Yang, Y. H., Liao, H. I., Tsai, Y. Y., Chang, P. J., & Chen, H. H. (2015). Method and experiments of subliminal cueing for real-world images. *Multimedia Tools and Applications*, 74(22), 10111-10135.
64. Li, J. H., Li, K. A., Tsai, Y. Y., & **Yeh, S. L.\*** (2015). Self-accompanied by one's own name? Exploring the self-concept of Buddhism. *Chinese Journal of Psychology*, 57(2), 195-211 [In Chinese].
63. Lin, S. Y., & **Yeh, S. L.\*** (2015). Unconscious grouping of Chinese words: Evidence from object-based attention. *Language and Linguistics*, 16(4), 517-533.
62. Chen, Y. H., Zhou, J. F., & **Yeh, S. L.\*** (2015). Beyond the SNARC effect: distance-number mapping occurs in the peripersonal space. *Experimental Brain Research*, 233(5), 1519-1528.
61. Chen, Y. C., & **Yeh, S. L.\*** (2015). Binding radicals in Chinese character recognition: Evidence from repetition blindness. *Journal of Memory and Language*, 78, 47-63.

## **2014**

60. Tsai, Y. Y., & **Yeh, S. L.\*** (2014). Low temporal precision for high impulsive individuals. *Personality and Individual Differences*, 70, 92-96.
59. Chou, W. L., **Yeh, S. L.**, & Chen, C. C. (2014). Distinct mechanisms subserve location- and object-based visual attention. *Frontiers in Psychology*, 5, 456.
58. Yang, Y. H., & **Yeh, S. L.\*** (2014). Unmasking the dichoptic mask by sound: Spatial congruency matters. *Experiment Brain Research*, 232(4), 1109-1116.

## **2013**

57. Huang, T. H., Shih, K. T., **Yeh, S. L.**, & Chen, H. H. (2013). Enhancement of backlight-scaled images. *IEEE Transactions on Image Processing*, 22(12), 4587-4597.
56. Liao, H. I., & **Yeh, S. L.\*** (2013). Capturing attention is not that simple: Different mechanisms for stimulus-driven and contingent capture. *Attention, Perception, & Psychophysics*, 75(8), 1703-1714.
55. Tsai, Y. Y., & **Yeh, S. L.\*** (2013). Freezing effect in tactile perception: Sound facilitates tactile identification by enhancing intensity but not duration. *Journal of Experimental Psychology: Human Perception and Performance*, 39(4), 925-932.
54. **Yeh, S. L.\***, & Huang, J.T. (2013). Special Issue: The core and key transformation of cognitive studies in Taiwan. *Chinese Journal of Psychology*, 55(3), 1-3.
53. Liao, H. I., Shimojo, S., & **Yeh, S. L.\*** (2013). Happy faces are preferred regardless of familiarity—Sad faces are preferred only when familiar. *Emotion*, 13(3), 391-396.

## **2012**

52. **Yeh, S. L.\***, He, S., & Cavanagh, P. (2012). Semantic priming from crowded words. *Psychological Science*, 23(6), 608-616.
51. Chen, S., Chu, C., **Yeh, S. L.**, Chu, H., & Huang, P. (2012). Modeling the QoE of rate changes in Skype/SILK VoIP calls. *IEEE/ACM Transactions on Networking (TON)*, 22(6), 1781-1793.
50. Chen, Y. C., & **Yeh, S. L.\*** (2012). Look into my eyes and I will see you: Unconscious processing of human gaze. *Consciousness and Cognition*, 21(4), 1703-1710.
49. Hsiao, J. Y., Chen, Y. C., Spence, C., & **Yeh, S. L.\*** (2012). Assessing the effects of audiovisual semantic congruency on the perception of a bistable figure. *Consciousness and Cognition*, 21(2), 775-787.
48. Li, J. L., Hsiao, C. H., & **Yeh, S. L.\*** (2012). Predictability matters: On the stimulus-driven account of the multiple-cue effect. *Canadian Journal of Experimental Psychology*, 66(1), 18-25.
47. Chou, W. L., & **Yeh, S. L.\*** (2012). Object-Based Attention Occurs Regardless of Object Awareness. *Psychonomic Bulletin & Review*, 19(2), 225-231.
46. Lin, S. Y., & **Yeh, S. L.\*** (2012). Every moment counts: Smooth transition of object boundary reflects constant updating in object-based attention. *Attention, Perception, & Psychophysics*, 74(3), 533-539.
45. Huang, J.T., **Yeh, S. L.\***, & Chen, L. (2012). Introduction to the Special Issue: Highlights from the 2010 Cross-Strait Forum on the Joint Development of Cognitive Science Studies. *Chinese Journal of*

## **2011**

44. **Yeh, S. L.\*** (2011). Introduction to the Special Issue: Highlights of the Asia-Pacific Conference on Vision 2010. *Chinese Journal of Psychology*, 53(4), 3-6.
43. Chen, Y. C., Huang, P. C., **Yeh, S. L.**, & Spence, C. (2011). Synchronous sounds enhance visual sensitivity without reducing target uncertainty. *Seeing and Perceiving*, 24(6), 623-638.
42. Lee, W. F., Huang, T. H., **Yeh, S. L.**, & Chen, H. H. (2011). Learning-based prediction of visual attention for video signals. *IEEE Transactions on Image Processing*, 20(11), 3028-3038.
41. Chou, W. L., & **Yeh, S. L.\*** (2011). Subliminal Spatial Cues Capture Attention and Strengthen Between-Object Link. *Consciousness and Cognition*, 20(4), 1265-1271.
40. Chen, Y. C., **Yeh, S. L.\***, & Spence, C. (2011). Crossmodal constraints on human perceptual awareness: auditory semantic modulation of binocular rivalry. *Frontiers in Psychology*, 2, 212.
39. Lo, S. Y., & **Yeh, S. L.\*** (2011). Independence between implicit and explicit processing as revealed by the Simon effect. *Consciousness and Cognition*, 20(3), 523-533.
38. Liao, H. I., & **Yeh, S. L.\*** (2011). Interaction between stimulus-driven orienting and top-down modulation in attentional capture. *Acta Psychologica*, 138(1), 52-59.
37. Yang, Y. H., & **Yeh, S. L.\*** (2011). Accessing the meaning of invisible words. *Consciousness and Cognition*, 20(2), 223-233.
36. Lin, S. Y., & **Yeh, S. L.\*** (2011). First Come, First Served? Influence of Changed Object Configuration on Object-Based Attention. *Attention, Perception, & Psychophysics*, 73(3), 678-687.
35. Liao, H. I., **Yeh, S. L.**, & Shimojo, S. (2011). Novelty vs. familiarity principles in preference decisions: Task-context of past experience matters. *Frontiers in Psychology*, 2, 43.

## **2010**

34. Hsu, L. C., Kramer, P., & **Yeh, S. L.\*** (2010). Monocular depth effects on perceptual fading. *Vision Research*, 50(17), 1649-1655.
33. **Yeh, S. L.\***, & Liao, H. I. (2010). On the generality of the displaywide contingent orienting hypothesis: Can a visual onset capture attention without top-down control settings for displaywide onset? *Acta Psychologica*, 135(2), 159-167.

## **2009**

32. Chen, Y. C., & **Yeh, S. L.\*** (2009). Catch the moment: Multisensory enhancement of rapid visual events by sound. *Experimental Brain Research*, 198(2-3), 209-219.
31. Ho, M. C., & **Yeh, S. L.\*** (2009). Effects of instantaneous object input and past experience on object-based attention. *Acta Psychologica*, 132(1), 31-39.
30. Chen, K. M. & **Yeh, S. L.\*** (2009). Asymmetric cross-modal effects in time perception. *Acta Psychologica*, 130(3), 225-234.
29. Chen, Y. C., & **Yeh, S. L.\*** (2009). Radical representation in models of Chinese character recognition. *Research in Applied Psychology*, 43, 177-205.

## **2008**

28. Lo, S. Y., & **Yeh, S. L.\*** (2008). Dissociation of processing time and awareness by the inattentive blindness paradigm. *Consciousness and Cognition*, 17(4), 1169-1180.
27. Chou, W. L., & **Yeh, S. L.\*** (2008). Location- and object-based inhibition of return are affected by different kinds of working memory. *Quarterly Journal of Experimental Psychology*, 61(12), 1761-1768.
26. **Yeh, S. L.\***, & Liao, H. I. (2008). On the generality of the contingent orienting hypothesis. *Acta Psychologica*, 129(1), 157-165.
25. Chen, Y. C., & **Yeh, S. L.\*** (2008). Visual events modulated by sound in repetition blindness. *Psychonomic Bulletin & Review*, 15(2), 404-408.

## **2007**

24. Li, J. L., & **Yeh, S. L.\*** (2007). New objects do not capture attention without a top-down setting: Evidence from an inattentive blindness task. *Visual Cognition*, 15(6), 661-684.

23. Liao, H. I., & **Yeh, S. L.\*** (2007). Involuntary orienting caused by salient stimuli outside focal attention: Comparison of two paradigms. *Chinese Journal of Psychology*, 49(2), 145-158.

#### **2006**

22. Hsu, L. C., **Yeh, S. L.\***, & Kramer, P. (2006). A common mechanism for perceptual filling-in and motion-induced blindness. *Vision Research*, 46(12), 1973-1981.

#### **2005**

21. Chou, W. L., & **Yeh, S. L.\*** (2005). Object-based inhibition of return: Evidence from overlapping objects. *Chinese Journal of Psychology*, 47(1), 1-13.
20. **Yeh, S. L.\***, & Li, J. H. (2005). The allocation of focal attention in visual space: Unitary or split? *Research in Applied Psychology*, 25, 143-178.

#### **2004**

19. **Yeh, S. L.\***, & Li, J. H. (2004). Sublexical processing in visual recognition of Chinese characters: Evidence from repetition blindness for sub-character components. *Brain and Language*, 88(1), 47-53.
18. **Yeh, S. L.\***, Lin, Y. H., & Li, J. H. (2004). Role of character structure in judgments of visual similarity of Chinese characters for children in elementary school. *Journal of Education and Psychology*, 27(1), 95-118.
17. Li, J. H., & **Yeh, S. L.\*** (2004). The selection basis of visual attention: space-based or object-based? *Research in Applied Psychology*, 21, 165-194.
16. Hsu, L. C., **Yeh, S. L.\***, & Kramer, P. (2004). Linking motion-induced blindness to perceptual filling-in. *Vision Research*, 44(24), 2857-2866.

#### **2003**

15. **Yeh, S. L.\***, Li, J. L., Takeuchi, T., Sun, V. C., & Liu, W. R. (2003). The role of learning experience on the perceptual organization of Chinese characters. *Visual Cognition*, 10(6), 729-764.
14. Li, J. L., & **Yeh, S. L.\*** (2003). Do "Chinese and Americans see opposite apparent motions in a Chinese character"? Tse and Cavanagh (2000) replicated and revised. *Visual Cognition*, 10(5), 537-547.
13. **Yeh, S. L.\***, Chang, H. C., Chen, I. P., & Lee, C. Y. (2003). Prelexical phonology by low spatial frequency channels? *Chinese Journal of Psychology*, 45(1), 11-27.

#### **2002**

12. **Yeh, S. L.\***, & Li, J. L. (2002). Role of structure and component in judgments of visual similarity of Chinese characters. *Journal of Experimental Psychology: Human Perception and Performance*, 28(4), 933-947.

#### **2001**

11. Chen, I. P., **Yeh, S. L.\***, & Lin, S. Y. (2001). Critical phase band for Chinese character recognition. *Chinese Journal of Psychology*, 43(2), 155-173.

#### **2000**

10. **Yeh, S. L.\*** (2000). Structure detection of Chinese characters: visual search slope as an index of similarity between different-structured characters. *Chinese Journal of Psychology*, 42(2), 191-216.
9. **Yeh, S. L.\***, & Chen, I. P. (2000). Trichromatic theory of color vision and its applications. *Research in Applied Psychology*, 5, 114-141.
8. Chen, I. P., & **Yeh, S. L.\*** (2000). Gamma correction for monitors used in psychological experiments. *Research in Applied Psychology*, 5, 143-164.
7. **Yeh, S. L.\***, & Chen, I. P. (2000). Trichromatic theory of color vision: related phenomena and explanations. *Research in Applied Psychology*, 6, 29-32.

#### **1999**

6. **Yeh, S. L.\***, & Chen, I. P. (1999). Is early visual processing attention impenetrable? *Behavioral and Brain Sciences*, 22(3), 400.
5. **Yeh, S. L.\***, Li, J. L., & Chen, K. M. (1999). Classification of Chinese characters: Verification by different predesignated categories and varied sample sizes. *Chinese Journal of Psychology*, 41(1), 65-85.

## **1997**

4. **Yeh, S. L.\***, Li, J. L., & Chen, I. P. (1997). The perceptual dimensions underlying the classification of the shapes of Chinese characters. *Chinese Journal of Psychology*, 39(1), 47-74.

## **1996**

3. **Yeh, S. L.\***, Chen, I. P., De Valois, K. K., & De Valois, R. L. (1996). Figural aftereffects and spatial attention. *Journal of Experimental Psychology: Human Perception and Performance*, 22(2), 446-460.

## **1993**

2. Zhang, J., **Yeh, S. L.**, & De Valois, K. K. (1993). Motion contrast and motion integration. *Vision Research*, 33(18), 2721-2732.

## **1991**

1. Rueckl, J. G., Suzuki, S., & **Yeh, S. L.** (1991). On the locus of redundancy effects in a letter-detection task. *Perception and Psychophysics*, 49(5), 412-421.

## **Books and Books Chapters**

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8. Gamborino, E., Herrera Ruiz, A., Wang, J. F., Tseng T.Y., **Yeh, S. L.**, & Fu, L. C. (2021). Applications in Cultural Heritage, Tourism, Autonomous Vehicles and Intelligent Agents (Ed.). *Towards Effective Robot-Assisted Photo Reminiscence: Personalizing Interactions Through Visual Understanding and Inferring BT-Cross-Cultural Design* (pp. 335-349). Cham, Switzerland: Springer International Publishing.
7. **Yeh, S. L.** (2019). Perception and awareness: The duet of consciousness. In Y. H. Hung & Y. C. Kao (Ed.), *The Black Hole of the Mind: The Mystery of Consciousness* (pp. 91-114). Sanmin, Taipei.  
葉素玲 (2019)。知覺與覺知：意識的二重奏。載於洪裕宏、高涌泉（主編），*心靈黑洞：意識的奧秘*（頁91-114）。臺北市：三民出版社。
6. **Yeh, S. L.** & Chen, I. P., (2018). Sensation and perception. In G. C. Liang (Ed.), *Psychology: An Integration of Body, Mind and Culture*. National Taiwan University Press, Taipei.  
葉素玲、陳一平（2018）。感覺與覺知。載於梁庚辰（主編），*心理學——身體心靈與文化的整合*。臺北市：國立臺灣大學出版中心。
5. **Yeh, S. L.**, & Woodward, J. A. (2012). *Increase science productivity: The secrets to writing winning articles and research proposals*. National Taiwan University Press, Taipei.
4. **Yeh, S. L.** (2009). Word recognition. In I. W. Su (Ed.), *Language and Cognition* (pp. 289-320). National Taiwan University Press, Taipei.  
葉素玲（2009）。漢字辨識。載於蘇以文（主編），*語言與認知*（289-320）。臺北市：國立臺灣大學出版中心。
3. Chen, I. P., & **Yeh, S. L.** (2007). *Sensation and perception*. In H. C. Chen (Ed.), *Cognitive psychology* (pp. 71-112). Wu-Nan, Taipei.  
陳一平、葉素玲（2007）。感覺與知覺。載於陳烜之（主編），*認知心理學*（71-112）。臺北市：五南出版社。
2. **Yeh, S. L.** (1999). Role of color in spatial vision. In C. S. Li (Ed.), *Vision and Cognition* (pp. 227-258). Yuan-Liu, Taipei.  
葉素玲（1999）。色彩在空間視覺所扮演的角色。載於李江山（主編），*視覺與認知：視覺知覺與視覺運動系統*（227-258）。臺北市：遠流。
1. **Yeh, S. L.** (1999). Visual spatial attention. In C. S. Li (Ed.), *Vision and Cognition* (pp. 291-324). Yuan-Liu, Taipei.  
葉素玲（1999）。視覺空間注意力。載於李江山（主編），*視覺與認知：視覺知覺與視覺運動系統*（291-324）。臺北市：遠流。

## **Conference Presentations**

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285. Chen, R., Chien, S. E., & **Yeh, S. L.** (2021). Metacognition of finger and wrist tactile sensations: Domain general or specific? The 60<sup>th</sup> Annual Conference of Taiwanese Psychological Association, Virtual Meeting.
284. Chen, Y. S., Chien, S. E., & **Yeh, S. L.** (2021). The development of the uncanny valley in children. The European Conference on Visual Perception, Virtual Meeting.
283. Chien, S. E. & **Yeh, S. L.** (2021). Perceived animacy is affected by consciousness and metacognition of distractor-target synchronicity. The European Conference on Visual Perception, Virtual Meeting.
282. Huang, B. C., Chen, Y. S., Chen, Y. C., & **Yeh, S. L.** (2021). Positive effects in detecting changes of dynamic facial expressions. The European Conference on Visual Perception, Virtual Meeting.
281. Huang, T. C., Nakashima, R., Iwai, R., Chien, S. E., **Yeh, S. L.**, & Kumada, T. (2021). Facial surface property modulates uncanny valley effect of robot face on older adults. The European Conference on Visual Perception, Virtual Meeting.
280. Lee, H. H., Liu, G. K. M., & **Yeh, S. L.** (2021) I know I'm happy, and I'm right: Metacognition of emotion. The European Conference on Visual Perception, Virtual Meeting.
279. **Yeh, S. L.**, Yeshurun, Y., Luzardo, F. (2021). Cross-language comparison of semantic and phonological priming from crowded words: The case of Chinese vs. Hebrew. The European Conference on Visual Perception, Virtual Meeting.
278. Cheng, T., Chiu, L., Huang, L. T., Lin, Y. T., Chen, Y. C., Lee, H. H., & **Yeh, S. L.** (2021) Metacognitive architecture: Perception, interoception, and beyond. The Conference of Metacognition: New developments and challenges, Virtual Meeting.
277. Castañeda, E. G., Ruiz, A. H., Wang, J. F., Tseng, T. Y., **Yeh, S. L.**, & Fu, L. C. (2021). Towards effective robot-assisted photo reminiscence: Personalizing interactions through visual understanding and inferring. HCI International, Virtual Meeting.
276. Chen, Y. C., Castañeda, E. G., Fu, L. C., Yueh, H. P., & **Yeh, S. L.** (2021). Social presence in evaluations for a humanoid robot and its effect on children-robot relationship. HCI International, Virtual Meeting.
275. Tseng, C. H., Hung, T. F., & **Yeh, S. L.** (2021). Robot-human partnership is unique: Partner-advantage in shape-matching task. HCI International, Virtual Meeting.
274. Chen, Y. C., Peng, Y. S., Li, D., & **Yeh, S. L.** (2021). Audiovisual spatial congruency modulates perceptual and metacognitive components of sound-induced flash illusion. Vision Sciences Society, Virtual Meeting.
273. Chen, Z. L., Lee, H. H., Chen, Y. T., Wu, A. Y., & **Yeh, S. L.** (2021) The mind's eye: Mind-wandering revealed by eye movement Hidden Markov Model. Vision Sciences Society, Virtual Meeting.
272. Lee, H. H., Chien, S. E., Lin, V., & **Yeh, S. L.** (2021). Which comes first? Examining breaking continuous suppression time of high-calorie and low-calorie foods. Vision Sciences Society, Virtual Meeting.
271. Tsai, C. C., Chien, S. E., Ueda, Y., Saiki, J., & **Yeh, S. L.** (2021). Search asymmetry revisited: Search for target with more features than distractors is not necessarily more efficient. Vision Sciences Society, Virtual Meeting.
270. Yang, C. C., & **Yeh, S. L.** (2021) Blue light impairment on the speed of exogenous attention shift. Vision Sciences Society, Virtual Meeting.
269. Chuang, Y. S., Hung, H. Y., Gamborino, E., Goh, J. O. S., Huang, T. R., Chang, Y. L., **Yeh, S. L.**, & Fu, L. C. (2020). Using machine theory of mind to learn agent social network structures from observed interactive behaviors with targets. 29th IEEE International Conference on Robot and Human Interactive Communication (RO-MAN), Naples, Italy, pp. 1013-1019, doi: 10.1109/RO-MAN47096.2020.9223453.
268. Chien, S. E., Yu, C. J., Lai, Y. Y., Liu, J. C., Fu, L. C., & **Yeh, S. L.** (2020). Can older adults' acceptance toward robots be enhanced by observational learning? In Rau, P. L. (Eds.), *Cross-cultural design. User experience of products, services, and intelligent environments*: Vol. 12192. International Conference on Human-Computer Interaction (pp. 564-576). Copenhagen, Denmark: Springer-Cham.
267. Chien, S. E., & **Yeh, S. L.** (2020). Animacy perception inferred by eye movement patterns. Vision Sciences Society, Virtual Meeting.
266. Kao, Y. W., Lee, H. H., Goh, J. O. S., & **Yeh, S. L.** (2020). Age-related differences in the statistical regularity of emotional faces. The Cognitive Neuroscience Society, Virtual Meeting.
265. **Yeh, S. L.**, Tsai, C. C., Ueda, Y., Takebayashi, H., Chien, S. E., & Saiki, J. (2019). Effect of culturally

- shaped experiences on cognitive processing. The 5th NTU-Kyoto University International Symposium of Human Sciences, Taipei, Taiwan.
264. Yang, C. C., & **Yeh, S. L.** (2019). Modulation of blue light on the speed of attention shift. The 5th NTU-Kyoto University International Symposium of Human Sciences, Taipei, Taiwan.
263. Lee, H. H., Chen, Z. L., Chen, Y. T., Shih, C. Y., Beh, W. K., Wu, A. Y., & **Yeh, S. L.** (2019). The heart never lies: Heart rate variability as an index of sustained attention. The 5th NTU-Kyoto University International Symposium of Human Sciences, Taipei, Taiwan.
262. Fujino, M., Hung, T. F., Chien, S. E., Ueda, Y., & Kumagai, S. (2019). Cultural differences in self-concept between the Japanese and Taiwanese. The 5th NTU-Kyoto University International Symposium of Human Sciences, Taipei, Taiwan.
261. Hung, T. F., **Yeh, S. L.**, & Tseng, C., H. (2019). Partner advantage: from human-human to human-robot. The 3rd NTU-Tohoku U Symposium on Interdisciplinary AI and Human Studies, Taipei, Taiwan.
260. Yu, C. J., Huang, T. Y., Chen, L. P., Bu, H. Y., Fu, L. C., Kitamura, Y., & **Yeh, S. L.** (2019). i-Path: An Intelligent System for Preserving Older Adults' Wisdom. The 3rd NTU-Tohoku U Symposium on Interdisciplinary AI and Human Studies, Taipei, Taiwan.
259. Yu, C. J., Chien, S. E., Wu, T. J., **Yeh, S. L.**, & Fu, L. C. (2019). Can Older Adults' Acceptance toward Robots Enhanced by Observational Learning? The 5th Taiwan Computer-Human Interaction Conference, Taipei, Taiwan.
258. **Yeh, S. L.**, Li, S. H., Jingling, Li., Goh, J. O. S., Chao, Y. P., & Tsai, A. C. (2019). Better statistical regularity with aging? Age-related difference in the neural processing of idioms. The Vision Sciences Society, St. Pete Beach, FL.
257. Li, D., Chen, Y. C., & **Yeh, S. L.** (2019). Auditory modulations on visual perception and metacognition. The Vision Sciences Society, St. Pete Beach, FL.
256. Yang, C. C., & **Yeh, S. L.** (2019). Effect of blue light on the speed of attention shift. The Vision Sciences Society, St. Pete Beach, FL.
255. Lee, H. H., & **Yeh, S. L.** (2019). Blue light effects on the gap effect. The Vision Sciences Society, St. Pete Beach, FL.
254. Ueda, Y., Tsai, C. C., Chien, S. E., **Yeh, S. L.** & Saiki, J. (2019). Visual search revisited in East Asia: Experience matters. The Vision Sciences Society, St. Pete Beach, FL.
253. Li, J. L., Chao, Y. P., Li, S. H., Goh, J. O. S., Tsai, C. A. & **Yeh, S. L.** (2019). Collinear grouped items are more distracted for older adults: Behavior and neural imaging evidence on the collinear masking effect. The Vision Sciences Society, St. Pete Beach, FL.
252. Ueda, Y., Huang, T. R., Shen, Z., Sakata, C., **Yeh, S. L.**, & Saito, S. (2019) Hebb repetition effect in visual memory. The European Society for Cognitive Psychology, Santa Cruz, Spain.
251. Ueda, Y., Huang, T. R., Shen, Z., **Yeh, S. L.**, & Saito, S. (2019) Sequential encoding in long-term memory improves visual short-term memory. The Psychonomic Society, Montréal, Canada.
250. Guo, X., Huang, Y. C., Gamborino, E., Tseng, S. H., Fu, L. C., & **Yeh, S. L.** (2019). Inferring human feelings & desires for human-robot trust promotion. International Conference on Human-Computer Interaction, Orlando, FL.
249. Gamborino, E., Yueh, H. P., **Yeh, S. L.**, & Fu, L. C. (2019). Mood estimation as a social profile predictor in an autonomous, multi-session, emotional support robot for children. The IEEE International Conference on Robot and Human Interactive Communication, New Delhi, India.
248. Tu, Y. C., Chien, S. E., Lai, Y. Y., Liu, J. C., & **Yeh, S. L.** (2019). The uncanny valley revisited: age-related difference and the effect of function type. The Gerontological Society of America, Austin, TX.
247. Lee, H. H., Shih, C. Y., Chen, Z. L., Wu, A. Y., & **Yeh, S. L.** (2019). Are you concentrating or mind-wandering? Electroencephalogram signals reveal differences in attentional states. The Society for Neuroscience, Chicago, IL.
246. Kao, Y. W., Li, S. H., Goh, J. O. S., Tsai, A. C., Jingling, L., & **Yeh, S. L.** (2019). Age-related differences in the neural processing of momentum. The European Conference on Visual Perception, Leuven, Belgium.
245. Chang, W. C., **Yeh, S. L.**, & Huang, S. L. (2019). The Extent of Unconscious Semantic Processing under Continuous Flash Suppression. The European Conference on Visual Perception, Leuven, Belgium.

244. Chien, S. E., Yang, Y. H., Teramoto, S., Ono, Y., & **Yeh, S. L.** (2019). Neural correlates of semantic priming under visual crowding: An MEG study. The Asia-Pacific Conference on Vision, Osaka, Japan.
243. Tsai, C. C., Chien, S. E., Ueda, Y., Saiki, J., & **Yeh, S. L.** (2019). Does Visual Experience abolish Search Asymmetry? The Asia-Pacific Conference on Vision, Osaka, Japan.
242. Ueda, Y., Huang, B. C., Yoshikawa, S., & **Yeh, S. L.** (2019). Perceived Dominance from Face Images Depends on Interaction Situations: Examinations of Consistency across Japanese and Taiwanese and the Own-Race Bias. The Asia-Pacific Conference on Vision, Osaka, Japan.
241. Yang, Y. H., Huang, T. R., Huang, T. R., & **Yeh, S. L.** (2019). Can Semantic Information be Temporally Integrated Under Interocular Suppression? An fMRI study. The Asia-Pacific Conference on Vision, Osaka, Japan.
240. **Yeh, S. L.**, Dong, J. T., Ho, P. Li. S. H., Huang, T. C., Hirai, S., Ueda, Y., & Saiki, J. (2019). More efficient semantic than phonological extraction in reading Chinese/Kanji for Taiwanese/Japanese skilled readers. The Asia-Pacific Conference on Vision, Osaka, Japan.
239. Chen, L. Y., Chang, R. H., & **Yeh, S. L.** (2019). The interactive effect of mindfulness and tactile exposure to food on tastiness. The Joint Conference of NTU/PKU/CUHK Psychology Departments, Taipei, Taiwan.
238. Huang, B. C., Ueda, Y., **Yeh, S. L.**, & Yoshikawa, S. (2019). Perceived Dominance from Face Images Depends on Interaction Situations: Examinations of Consistency across Japanese and Taiwanese and the Own-Race Bias. The Joint Conference of NTU/PKU/CUHK Psychology Departments, Taipei, Taiwan.
237. Tsai, C. C., Chien, S. E., Ueda, Y., Saiki, J. & **Yeh, S. L.** (2019). Does Visual Experience abolish Search Asymmetry? The Joint Conference of NTU/PKU/CUHK Psychology Departments, Taipei, Taiwan.
236. **Yeh, S. L.** (2018). Comparing perceptual and semantic processing of Taiwanese and Japanese. The NTU Kyoto University International Symposium, Kyoto, Japan.
235. **Yeh, S. L.** (2018). AI robots for human well-being from the psychological aspects. The 2nd Tohoku-NTU U Symposium on Interdisciplinary AI and Human Studies, Tohoku, Japan.
234. Huang, T. Y., Chen, Y. C., Wang, K. W., Gamborino, E., Fu, L. C., & **Yeh, S. L.** (2018). An AI social robot designed for supporting positive emotion and communication between sick kids, family members, and healthcare providers. The 2nd Tohoku-NTU U Symposium on Interdisciplinary AI and Human Studies, Tohoku, Japan.
233. Chen, Y. C., Liu, Y. C., Ning, C. W., & **Yeh, S. L.** (2018). The Design of An Attention Detection System in Learning Environments. The 2nd Tohoku-NTU U Symposium on Interdisciplinary AI and Human Studies, Tohoku, Japan.
232. Chien, S. E., Chen, Y. C., Matsumoto, A., Yamashita, W., Shih, K. T., Tsujimura, S., **Yeh, S. L.** (2018). Effect of background color on audiovisual simultaneity perception. The European Conference on Visual Perception, Trieste, Italy.
231. Yang, P. L., Tsujimura, S. I., Matsumoto, A., Yamashita, W., & **Yeh, S. L.\*** (2018). Subjective time expansion with increased stimulation of intrinsically photosensitive retinal ganglion cells. The European Conference on Visual Perception, Trieste, Italy.
230. Chien, S. E., Chu, L., Lee, H. H., Yang, C. C., Lin, F. H., Yang, P. L., Wang, T. M., & **Yeh, S. L.** (2018). Unconscious semantic priming reflected by Gamma- and theta-band synchronization: an MEG study. ICPEAL 17—CLDC 9.
229. Chang, T. F., & **Yeh, S. L.** (2018). Inverse relationship between cognitive flexibility and interoceptive accuracy. NTU-Kyoto University International Symposium for Cognitive Neuroscience, Taipei, Taiwan.
228. Tsai, C. C., Chien, S. E., Ueda, Y., & **Yeh, S. L.** (2018). Effects of blue light on visual search. NTU-Kyoto University International Symposium for Cognitive Neuroscience, Taipei, Taiwan.
227. Lee, H. H., Lin, F. H., Chien, S. E., & **Yeh, S. L.** (2018). Which comes first? An investigation of awareness to high- and low-calorie food. NTU-Kyoto University International Symposium for Cognitive Neuroscience, Taipei, Taiwan.
226. Chen, H. W., & **Yeh, S. L.** (2018). Enhanced dynamic visual acuity under blue light. NTU-Kyoto University International Symposium for Cognitive Neuroscience, Taipei, Taiwan.
225. Li, K. A., & **Yeh, S. L.** (2018). Does the left-side bias occur during perceptual averaging also reveal in the eye movement pattern? NTU-Kyoto University International Symposium for Cognitive Neuroscience,

- Taipei, Taiwan.
224. Li, S. H., Lin, H. Y., Tsai, M. N., & **Yeh, S. L.** (2018). Unconscious evaluative conditioning under continues flash suppression. NTU-Kyoto University International Symposium for Cognitive Neuroscience, Taipei, Taiwan.
  223. Chien, S. E., Yang, Y. H., Teramoto, S., Ono, Y., & **Yeh, S. L.** (2018). Unconscious semantic priming reflected by Gamma- and theta-band synchronization: an MEG study. NTU-Kyoto University International Symposium for Cognitive Neuroscience, Taipei, Taiwan.
  222. **Yeh, S. L.** (2018). Cross-cultural comparison of grapheme color synesthesia of Kanji characters: cases of Taiwan and Japan. NTU-Kyoto University International Symposium for Cognitive Neuroscience, Taipei, Taiwan.
  221. **Yeh, S. L.**, Chien, S. E., Matsumoto, A., Yamashita, W., & Tsujimura, S. (2017). Increased stimulation of ipRGCs affects achromatic spatial contrast sensitivity. European Conference on Visual Perception, Berlin, Germany.
  220. **Yeh, S. L.**, Yang, Y. H., & Li, S. H. (2017). What happens form semantic activation of single words under visual crowding to their integration over time? International Conference on Cognitive Science, Taipei, Taiwan.
  219. Chien, S. E., Yang, Y. H., Teramoto, S., Ono, Y., & **Yeh, S. L.** (2017). Neural correlates of unconscious semantic priming: an MEG study. International Conference on Cognitive Science, Taipei, Taiwan.
  218. Hsia, C. Y., Chen, Y. C., **Yeh, S. L.**, Tu, C. K., Wu, M. T., Chen, N. C., & Tang, P. F. (2017). Perception of audiovisual simultaneity independently contributes to dual-task gait performance in the aging population. International Conference on Cognitive Science, Taipei, Taiwan.
  217. Hsia, C. Y., Chen, Y. C., **Yeh, S. L.**, Wu, M. T., Chen, N. C., & Tang, P. F. (2017). Effects of aging on the perception of audiovisual simultaneity: comparisons among young, middle-aged, and older adults. International Conference on Cognitive Science, Taipei, Taiwan.
  216. Lo, S. Y. & **Yeh, S. L.** (2017). Does “a picture is worth 1000 words” apply to iconic Chinese words? International Conference on Cognitive Science, Taipei, Taiwan.
  215. Lin, H. W., & **Yeh, S. L.** (2017). Grapheme-color synesthesia in Chinese characters: what determines the similarity in synesthetic color? International Conference on Cognitive Science, Taipei, Taiwan.
  214. Li, S. H., Yang, Y. H., Chou, T. L., & **Yeh, S. L.** (2017). Neural correlates of semantic priming of crowded words: an fMRI study. International Conference on Cognitive Science, Taipei, Taiwan.
  213. Li, K. A., & **Yeh, S. L.** (2017). Mean size estimation yields left-size bias: role of attention on perceptual averaging. International Conference on Cognitive Science, Taipei, Taiwan.
  212. Yang, Y. H., & **Yeh, S. L.** (2017). Oculomotor response precedes awareness access of multisensory emotional information under interocular suppression. The 17th Vision Sciences Society, St. Pete Beach, FL.
  211. Yang, Y. H., Huang, T. R., & **Yeh, S. L.** (2016). Neural activities reveal distinct mechanisms of consciousness on temporal integration of semantic information. The 55th Annual Conference of Taiwanese Psychological Association, Tainan, Taiwan.
  210. Hung, T. F., & **Yeh, S. L.** (2016). The effect of blue light on attention network. The 55th Annual Conference of Taiwanese Psychological Association, Tainan, Taiwan.
  209. Lin, H. W., & **Yeh, S. L.** (2016). Linguistic factors of grapheme-color synesthesia in Chinese characters. The 55th Annual Conference of Taiwanese Psychological Association, Tainan, Taiwan.
  208. Ho, P. K., Tien, Y. H., Zhou, J. F., & **Yeh, S. L.** (2016). Unconscious thought with invisible stimuli under continuous flash suppression. The 55th Annual Conference of Taiwanese Psychological Association, Tainan, Taiwan.
  207. Chen, Y. W., & **Yeh, S. L.** (2016). Cross-modal asymmetry in the facilitation of subjective time judgment from temporal statistical regularity. The 55th Annual Conference of Taiwanese Psychological Association, Tainan, Taiwan.
  206. Yang, B. L., & **Yeh, S. L.** (2016). How blue light affects time perception? The 55th Annual Conference of Taiwanese Psychological Association, Tainan, Taiwan.
  205. **Yeh, S. L.**, Chen, Y. C., & Chu, L. (2016). Effect of blue light on audiovisual integration. The 39th European Conference on Visual Perception, Barcelona, Spain.

204. **Yeh, S. L.**, & Li, K. A. (2016). Left-side bias on statistical information extraction. The 31st International Congress of Psychology, Yokohama, Japan.
203. Chen, Y. W., & **Yeh, S. L.** (2016). Visual temporal regularity facilitates time judgement. The 20th Annual Meeting of the Association for the Scientific Study of Consciousness, Buenos Aires, Argentina.
202. Chen, Y. W., Yang, Y. H., & **Yeh, S. L.** (2015). Unconscious semantic processing under continuous flash suppression. The 38th European Conference on Visual Perception, Liverpool, UK.
201. Huang, N., & **Yeh, S. L.** (2015). Consciousness modulates the effects of attention on priming. The 19th Annual Meeting of the Association for the Scientific Study of Consciousness, Paris, France.
200. Tien, Y. H., & **Yeh, S. L.** (2015). Temporal integration of semantic information under continuous flash suppression. The 19th annual meeting of the Association for the Scientific Study of Consciousness, Paris, France.
199. Li, K. A., Zhou, J., Lee, C. L., Tien, Y. H., & **Yeh, S. L.** (2015). Consciousness modulates the effects of attention on priming. The 19th Annual Meeting of the Association for the Scientific Study of Consciousness, Paris, France.
198. **Yeh, S. L.**, Zhou, J. F., Li, K. A., Tien, Y. H., Chen, Y. H., Lin, Y. S., & Pegna, A. J. (2014). Semantic processing of invisible words under interocular suppression: Evidence from evoked-related potentials. The 10th Asian-Pacific Conference on Vision, Takamatsu, Japan.
197. Yang, Y. H., **Yeh, S. L.**, & Bartles, A. (2014). Global versus local saliency: Determinants of access to visual awareness. The 10th Asian-Pacific Conference on Vision, Takamatsu, Japan.
196. Tien, Y. H., & **Yeh, S. L.** (2014). A new bistable percept: The bistable fan illusion. The 10th Asian-Pacific Conference on Vision, Takamatsu, Japan.
195. Li, K. A., Li, J. H., & **Yeh, S. L.** (2014). Seeing the word “I” and my face activates my name: Close link between self-awareness and one’s own name. The 10th Asian-Pacific Conference on Vision, Takamatsu, Japan.
194. Lane, T., **Yeh, S. L.**, Zhou, J. F., Lin, T. Y., Kuo, C. H., & Teng, C. Y. (2014). The “lingering alpha effect”: Baseline alpha-band spectral power differences correlate with susceptibility to the rubber hand illusion. The 18th Annual Meeting of the Association for the Scientific Study of Consciousness, Brisbane, Australia.
193. **Yeh, S. L.**, Lane, T., Zhou, J. F., Lin, T. Y., Kuo, C. H., & Teng, C. Y. (2014). Difference between eyes-closed and eyes-open resting state alpha power is an indicator of susceptibility to the rubber hand illusion. The 14th Vision Sciences Society, St. Pete Beach, FL.
192. Lin, S. Y., & **Yeh, S. L.** (2014). A modal completion guides object-based attention without awareness. The 14th Vision Sciences Society, St. Pete Beach, FL.
191. Chang, A. Y., & **Yeh, S. L.** (2014). Join my attention by looking at my back: The back of head orientation can serve as both supraliminal and subliminal orienting cues. The 14th Vision Sciences Society, St. Pete Beach, FL.
190. Lin, Y. S., & **Yeh, S. L.** (2014). Qualitative difference in categorical priming between conscious and unconscious processing of numbers: Evidence from visual crowding. The 14th Vision Sciences Society, St. Pete Beach, FL.
189. **Yeh, S. L.**, Chou, T. L., Lee, S. H., Huang, Y. A., He, S., & Li, S. H. (2014). Imaging unconscious semantic processing of crowded words. The 7th Conference on Language, Discourse, and Cognition, Taipei, Taiwan.
188. Zhou, J. F., Lee, C. L., & **Yeh, S. L.** (2014). Brain potentials reflect semantic priming effect induced by crowded words. The 7th Conference of Language, Discourse, and Cognition, Taipei, Taiwan.
187. Lin, S. Y., & **Yeh, S. L.** (2014). Unconscious grouping of Chinese words: Evidence from object based attention. The 7th Conference of Language, Discourse, and Cognition, Taipei, Taiwan.
186. Lin, S. Y., & **Yeh, S. L.** (2013). Unconscious binding between visible and invisible stimuli reveals dissociation between attention and consciousness. The 36th European Conference on Visual Perception, Bremen, Germany.
185. Chang, A. Y., & **Yeh, S. L.** (2013). Turn yourself around as the spinning dancer: Sound modulates the spinning direction of the silhouette illusion. The 36th European Conference on Visual Perception, Bremen, Germany.
184. Zhou, J. F., Lee, C. L., & **Yeh, S. L.** (2013). Brain potentials reflect semantic processing of crowded words.

- The 36th European Conference on Visual Perception, Bremen, Germany.
183. Tan, J. S., Cheng, C. C., Lien, P. C., & **Yeh, S. L.** (2013). Multisensory integration of scene perception: Semantically congruent soundtrack enhances unconsciously processed visual scene. The 36th European Conference on Visual Perception, Bremen, Germany.
  182. Yen, Y. C., Chu, C. Y., Chen, C. N., **Yeh, S. L.**, Chu, H. H., & Huang, P. (2013). Exponential quantization: User-centric rate control for skype calls. ACM SIGCOMM 2013, Hong Kong, China.
  181. Yen, Y. C., Chu, C. Y., **Yeh, S. L.**, Chu, H. H., & Huang, P. (2013). Lab experiment vs. crowdsourcing: A comparative user study on Skype call quality. In Proceedings of the 9th Asian Internet Engineering Conference (ACM SIGCOMM AINTEC 2013), Chiang Mai, Thailand.
  180. Lane, T., **Yeh, S. L.**, & Chang, A. Y. (2013). Switching attention to the rubber hand. The 17th Annual Meeting of the Association for the Scientific Study of Consciousness, San Diego, CA.
  179. **Yeh, S. L.** (2013). Semantically congruent sound enhances unconscious processing of visual scene. Global Chinese Vision Sciences Workshop, Suzhou, China.
  178. **Yeh, S. L.** (2013). Distinct processes of orthography and semantics: Evidence from visual crowding. The 9th Asian-Pacific Conference on Vision, Suzhou, China.
  177. Liu, T., **Yeh, S. L.**, & Hsiao, J. (2013). The transfer of left side bias in the perception of simplified and traditional Chinese characters. The 9th Asian-Pacific Conference on Vision, Suzhou, China.
  176. Chen, Y. H., Zhou, J. F., Li, R. H., & **Yeh, S. L.** (2013). SNARC effect in the third dimension. The 9th Asian-Pacific Conference on Vision, Suzhou, China.
  175. Dong, J. T., Chen, Y. H., & **Yeh, S. L.** (2013). Word identification is required for phonology but not semantics: Evidence from visual crowding. The 9th Asian-Pacific Conference on Vision, Suzhou, China.
  174. Liao, H. I., Yang, Y. H., & **Yeh, S. L.** (2013). Unconscious feature binding of color and orientation. Neuro 2013, Kyoto, Japan.
  173. Chen, C. N., Chu, C. Y., **Yeh, S. L.**, Chu, H. H., & Huang, P. (2012). Modeling the QoE of rate changes in SKYPE/ SILK VoIP calls. ACM Multimedia 2012, Nara, Japan.
  172. **Yeh, S. L.**, Chou, T. L., Lee, S. H., Huang, Y. A., He, S., & Li, S. H. (2012). The brain mechanism of unconscious semantic processing of crowded words. The 14th International conference on the Processing of East Asian Languages, Nagoya, Japan.
  171. **Yeh, S. L.**, & Chen, Y. C. (2012). Morpho-orthographic decomposition of radicals in Chinese character recognition. The 14th International Conference on the Processing of East Asian Languages, Nagoya, Japan.
  170. **Yeh, S. L.**, Lin, H. Y., Li, S. H., & Tsai, M. N. (2012). Unconscious evaluative conditioning: Attitude change induced by invisible words. The 35th European Conference on Visual Perception, Alghero, Italy.
  169. Chou, W. L., & **Yeh, S. L.** (2012). Optimizing attention deployment in object-based attention: The role of cue validity. The 35th European Conference on Visual Perception, Alghero, Italy.
  168. Chang, A. Y., Lane, T., & **Yeh, S. L.** (2012). Timing the rubber hand illusion: Owning the rubber hand involves substitution, not addition. The 35th European Conference on Visual Perception, Alghero, Italy.
  167. Lin, S. Y., & **Yeh, S. L.** (2012). The dynamic-updating hypothesis: Attentional selection of dynamically changed objects. The 35th European Conference on Visual Perception, Alghero, Italy.
  166. Chen, C. N., Chu, C. Y., **Yeh, S. L.**, Chu, H. H., & Huang, P. (2012). Measuring the Perceptual Quality of Skype Sources. SIGCOMM 2012 workshop, Helsinki, Finland.
  165. Huang, T. H., Kao, C. T., Chen, Y. C., **Yeh, S. L.**, & Chen, H. H. (2012). A visibility model for quality assessment of dimmed images. The 4th International Workshop Quality Multimedia Experience, Yarra Valley, Australia.
  164. Lee, C. A., & **Yeh, S. L.** (2012). Scent for visual attention: What you smell can affect how you see. The 16th Conference on Attention and Perception: Perceptual Organization and Grouping, Chiayi, Taiwan.
  163. Tsai, Y. Y., & **Yeh, S. L.** (2012). Auditory perceptual organization facilitates tactile identification by enhancing intensity but not duration. The 16th Conference on Attention and Perception: Perceptual Organization and Grouping, Chiayi, Taiwan.
  162. Huang, T. H., Yang, Y. H., Liao, H. I., **Yeh, S. L.**, & Chen, H. (2012). Directing visual attention by subliminal cues. The International conference on Image Processing (ICIP), Orland, FL.
  161. **Yeh, S. L.**, Lee, S. H., Huang, Y. A., Chou, T. L., He, S., & Li, S. H. (2012). Semantic processing for

- crowded words: Evidence from fMRI. The 12th Annual Meeting of the Vision Sciences Society, Naples, FL.
160. Liao, H. I., & **Yeh, S. L.** (2012). Attentional capture with and without awareness. The 12<sup>th</sup> Annual Meeting of the Vision Sciences society, Naples, FL.
  159. **Yeh, S. L.**, & Chen, Y. C. (2012). Radicals are the morpho-orthographic but not morpho-semantic units in Chinese character processing. The 6th Conference on Language, Discourse, and Cognition (CLDC 2012), Taipei, Taiwan.
  158. **Yeh, S. L.**, Hsiao, J. Y., Chen, Y. C., & Spence, C. (2011). Interplay of multisensory processing, attention, and consciousness as revealed by bistable figures. The 12th International Multisensory Research Forum (IMRF), Fukuoka, Japan.
  157. Cho, P. C., Lane, T., & **Yeh, S. L.** (2011). Action-induced rubber hand illusion. The 12th International Multisensory Research Forum (IMRF), Fukuoka, Japan.
  156. Liao, H. I., Shimojo, S., Huang, S. C., & **Yeh, S. L.** (2011). What and how you see affects your appetite. The 12th International Multisensory Research Forum (IMRF), Fukuoka, Japan.
  155. Chen, K. M., & **Yeh, S. L.** (2011). Audiovisual interaction in time perception. The 12th International Multisensory Research Forum (IMRF), Fukuoka, Japan.
  154. Li, C. A., & **Yeh, S. L.** (2011). What you smell affects different components of your visual attention. The 12th International Multisensory Research Forum (IMRF), Fukuoka, Japan.
  153. Su, S. Y., & **Yeh, S. L.** (2011). Audio-visual integration modifies emotional judgment in music. The 12th International Multisensory Research Forum (IMRF), Fukuoka, Japan.
  152. Tsai, Y. Y., & **Yeh, S. L.** (2011). Freezing in touch: Sound enhances tactile perception. The 12th International Multisensory Research Forum (IMRF), Fukuoka, Japan.
  151. Yang, Y. H., & **Yeh, S. L.** (2011). Semantic congruency in audiovisual integration as revealed by the continuous flash suppression paradigm. The 12th International Multisensory Research Forum (IMRF), Fukuoka, Japan.
  150. Chen, Y. C., & **Yeh, S. L.** (2011). Dissociating attention and audiovisual integration in the sound-facilitatory effect on metacontrast masking. The 12th International Multisensory Research Forum (IMRF), Fukuoka, Japan.
  149. Chen, Y. C., Huang, P. C., **Yeh, S. L.**, & Spence, C. (2011). synchronous sounds enhance visual sensitivity without reducing target uncertainty. The 12th International Multisensory Research Forum (IMRF), Fukuoka, Japan.
  148. Chen, Y. C., **Yeh, S. L.**, & Spence, C. (2011). Crossmodal semantic constraints on visual perception of binocular rivalry. The 12th International Multisensory Research Forum (IMRF), Fukuoka, Japan.
  147. Chou, W. L., & **Yeh, S. L.** (2011). Object-based attention occurs regardless of object awareness. The 34th European Conference on Visual Perception, Toulouse, France.
  146. Liao, H. I., Shimojo, S., & **Yeh, S. L.** (2011). Preference and familiarity for emotional face. Poster presented at Asia-Pacific Conference on Vision, Hong Kong, China.
  145. Lee, W. F., Huang, T. H., **Yeh, S. L.**, & Chen, H. H. (2011). Fusion of visual attention cues by machine learning. Proc. IEEE Int. Conf. Image Process, Belgium.
  144. Huang, T. H., **Yeh, S. L.**, & Chen, H. H. (2011). Enhancement of LCD images illuminated with dim backlight. Proc. IEEE Int. Conf. Image Process, Belgium.
  143. Lee, C. H., Shaw, W. S., Liao, H. I., **Yeh, S. L.**, & Chen, H. H. (2011). Local dimming of liquid crystal display using visual attention prediction model. Proc. IEEE Int. Conf. Image Process, Belgium.
  142. Chen, Y. C., & **Yeh, S. L.** (2011). Orienting or intention? Unconscious processing of human gaze. The 15th Annual Meeting of the Association for the Scientific Study of Consciousness, Kyoto, Japan.
  141. Li, S. H., & **Yeh, S. L.** (2011). A double positive forms a negative in perceptual enhancement of near-threshold emotional words. The 15th Annual Meeting of the Association for the Scientific Study of Consciousness, Kyoto, Japan.
  140. Liao, H. I., Yang, Y. H., & **Yeh, S. L.** (2011). Blindsight in normals: Binding features without awareness. The 15th Annual Meeting of the Association for the Scientific Study of Consciousness, Kyoto, Japan.
  139. Yang, Y. H., & **Yeh, S. L.** (2011). Conscious perception affects unconscious perception with the

- deployment of attention. The 15th Annual Meeting of the Association for the Scientific Study of Consciousness, Kyoto, Japan.
138. Chen, Y. C., **Yeh, S. L.**, & Spence, C. (2011). Crossmodal constraints on human visual awareness: Can auditory semantic context modulate binocular rivalry? The 15th Annual Meeting of the Association for the Scientific Study of Consciousness, Kyoto, Japan.
  137. Liao, H. I., & **Yeh, S. L.** (2011). Contingent attentional capture depends on stimulus properties. The 11th Annual Meeting of the Vision Sciences Society, Naples, FL.
  136. **Yeh, S. L.**, He, S., & Cavanagh, P. (2011). Extraction of semantic information from unidentifiable, crowded words. The 11th Annual Meeting of the Vision Sciences Society, Naples, FL.
  135. Li, S. H., Ho, M. C., & **Yeh, S. L.** (2011). Competition Makes You Better or Worse: Different Processing for Positive and Negative Emotional Words. The 50th Annual Conference of Taiwanese Psychological Association, Taichung, Taiwan.
  134. Li, C. A., & **Yeh, S. L.** (2011). Smell affects visual attention. The 50th Annual Conference of Taiwanese Psychological Association, Taichung, Taiwan.
  133. Liao, H. I., Shimojo, S., & **Yeh, S. L.** (2011). We prefer happy faces, regardless of whether they are familiar or not; whereas we sometimes prefer sad faces if they are familiar. The 50th Annual Conference of Taiwanese Psychological Association, Taichung, Taiwan.
  132. Chen, Y. C., & **Yeh, S. L.** (2011). Look into my eyes and I will see you: Direct gaze facilitates unconscious face processing. The 50th Annual Conference of Taiwanese Psychological Association, Taichung, Taiwan.
  131. Lin, S. Y., & **Yeh, S. L.** (2010). Hierarchical object representation: How the object is changed affects object-based attention. The 15th Conference on Attention and Perception (A & P), Chiayi, Taiwan.
  130. Yang, Y. H., & **Yeh, S. L.** (2010). Slower response to invisible negative emotion: Stimulus-specific or stimulus-general? The 15th Conference on Attention and Perception (A & P), Chiayi, Taiwan.
  129. Liao, H. I., **Yeh, S. L.**, & Shimojo, S. (2010). Novelty vs. familiarity principles in preference decision. The 15th Conference on Attention and Perception (A & P), Chiayi, Taiwan.
  128. Hsu, L. C. & **Yeh, S. L.** (2010). Perceptual fading as revealed by perceptual filling-in and motion-induced blindness. The Asian-Pacific Conference on Vision, Taipei, Taiwan.
  127. Chen, K. M., & **Yeh, S. L.** (2010). Asymmetric cross-modal effect on time perception depends on stimulus duration. The Asia-Pacific Conference on Vision, Taipei, Taiwan.
  126. Chou, W. L., & **Yeh, S. L.** (2010). Subliminal spatial cues capture attention and cause reversed object effects. The Asia-Pacific conference on Vision, Taipei, Taiwan.
  125. Hsiao, J. Y., **Yeh, S. L.**, Chen, Y. C., & Spence, C. (2010). Auditory semantic context modulates the conscious perception of bistable figures. The Asia-Pacific Conference on Vision, Taipei, Taiwan.
  124. Li, S. H., Ho, M. C., & **Yeh, S. L.** (2010). Competition of emotional words for attentional resource. The Asia-Pacific Conference on Vision, Taipei, Taiwan.
  123. Lin, S. Y., & **Yeh, S. L.** (2010). Hierarchical object representation: How the object is changed affects object-based attention. The Asia-Pacific Conference on Vision, Taipei, Taiwan.
  122. Lo, S. Y., & **Yeh, S. L.** (2010). Effect of sound on visual persistence. The Asia-Pacific Conference on Vision, Taipei, Taiwan.
  121. Yang, Y. H., & **Yeh, S. L.** (2010). Auditory-visual integration facilitates unconscious processing of facial expression. The Asia-Pacific Conference on Vision, Taipei, Taiwan.
  120. Liao, H. I., Shimojo, S., Huang, S. C., & **Yeh, S. L.** (2010). What you see affects what you feel on food. Interim Meeting of the International Color Association, Mar del Plata, Argentina.
  119. Cheng, H. W., Shu, H., **Yeh, S. L.**, Li, J. I., & Caldwell-Harris, C. L. (2010). Reading Chinese simplified and traditional scripts. The Research in Reading Chinese and Related Asian Languages Conference, Toronto, Canada.
  118. **Yeh, S. L.**, & Chen, Y. L. (2010). Crossmodal interaction in metacontrast masking. *Journal of Vision*, 10(7), 894.
  117. Liao, H. I., & **Yeh, S. L.** (2010). Interaction between stimulus driven orienting and top down modulation in attentional capture. *Journal of Vision*, 10(7), 123.
  116. Hsiao, J. Y., Chen, Y. C., Spence, C. & **Yeh, S. L.** (2010). Semantic congruency, attention, and fixation



- position modulate conscious perception when viewing a bistable figure. *Journal of Vision*, 10(7), 867.
115. Chou, W. L. & **Yeh, S. L.** (2010). How does a subliminal cue influence object-based attention? *Journal of Vision*, 10(7), 179.
  114. Chen, Y. C., **Yeh, S. L.**, & Spence, C. (2010). Crossmodal constraints on human visual: Auditory semantic context modulates binocular rivalry. *Journal of Vision*, 10(7), 885.
  113. Yang, Y. H., & **Yeh, S. L.** (2010). Seeing from where you are hearing: The cross-modal facilitation from audible sound to invisible visual stimuli. The 49th Annual Conference of Taiwanese Psychological Association, Taipei, Taiwan.
  112. Li, S. H., Ho, M. C., & **Yeh, S. L.** (2010). Having too much is as bad as having nothing: The processing of emotional words under competitive situation. The 49th Annual Conference of Taiwanese Psychological Association, Taipei, Taiwan.
  111. **Yeh, S. L.**, & Chen, K. M. (2009). Sound expands perceived visual duration through pacemaker acceleration. The 32nd European Conference on Visual Perception, Regensburg, Germany.
  110. Yang, Y. H., & **Yeh, S. L.** (2009). An invisible face becomes visible with a voice. The 32nd European Conference on Visual Perception, Regensburg, Germany.
  109. Chou, W. L., Chen, C. C., & **Yeh, S. L.** (2009). Mechanisms of location- and object-based attention as revealed by the external noise paradigm. The 32nd European Conference on Visual Perception, Regensburg, Germany.
  108. Hsu, L. C., **Yeh, S. L.**, Tien, Y. M., & Lin, C. Y. (2009). Electrophysiological correlates of motion-induced blindness. The 9th Annual Meeting of Vision Sciences Society, St. Pete Beach, FL.
  107. Liao, H. I., Park, J., Shimojo, E., Ishizaki, J., **Yeh, S. L.**, & Shimojo, S. (2009). Gaze orienting, and novelty vs. familiarity preference. The 9th Annual Meeting of Vision Sciences Society, Naples, FL.
  106. Wang, Y. T., Liu, Y. N., Chien, S. Y. C., Yang, Y. H., Chen, Y. L., & **Yeh, S. L.** (2009). A psychophysical analysis on perceptual limitation of motion image artifact reduction using 120Hz displays. Poster presented at the 47th Society for Information Display.
  105. Huang, T. H., Liang, C. K., **Yeh, S. L.**, & Chen, H. H. (2008). JND-based enhancement of perceptibility for dim. Images. The 2008 IEEE International Conference on Image Processing, San Diego, CA.
  104. **Yeh, S. L.**, & Chen, I. L. (2008). Competition for awareness among visual events is modulated by sound in metacontrast masking. The 28th European Conference on Visual Perception, Utrecht, Netherland.
  103. Chen, K. M., & **Yeh, S. L.** (2008). The cross-modal effect on the subjective time expansion in the visual and auditory modalities. The 28th European Conference on Visual Perception, Utrecht, Netherland.
  102. Chen, H. M., **Yeh, S. L.**, Chen, K. M., & Chen, J. H. (2008). Attentional effect on emotional Chinese word processing in the human brain: An event-related fMRI study. The 14th Annual Meeting of Human Brain Mapping, Melbourne, Australia.
  101. **Yeh, S. L.**, Chiu, C. H., Hsiao, C. H. (2008). The Gestaltist's error revisited with sound. The 8th Annual Meeting of Vision Sciences Society, Naples, FL.
  100. Hsu, L. C., & **Yeh, S. L.** (2008). Is motion-induced blindness a perceptual scotoma? The 8th Annual Meeting of Vision Sciences Society, Naples, FL.
  99. Yang, Y. H., & **Yeh, S. L.** (2008). Sound enhances processing of emotional words under invisible conditions. The 8th Annual Meeting of Vision Sciences Society, Naples, FL.
  98. **Yeh, S. L.**, Su, Y. J. & Yang, Y. H. (2008). Processing of emotional words under visible and invisible conditions. The 12th Annual Meeting of the Association for the Scientific Study of Consciousness, Taipei, Taiwan.
  97. Lo, S. Y., & **Yeh, S. L.** (2008). Multisensory stimulus-response compatibility effect occurs only when the stimuli are consciously perceived. The 12th Annual Meeting of the Association for the Scientific Study of Consciousness, Taipei, Taiwan.
  96. Chen, K. M., & **Yeh, S. L.** (2008). Attention mediates the facilitatory effect of task-irrelevant sound on subjective expansion of visual duration. The 12th Annual Meeting of the Association for the Scientific Study of Consciousness, Taipei, Taiwan.
  95. Chen, Y. C., & **Yeh, S. L.** (2008). Using the repetition blindness paradigm as an implicit measure of awareness: a crossmodal integration study. The 12th Annual Meeting of the Association for the Scientific

- Study of Consciousness, Taipei, Taiwan.
94. Yang, Y. H., & **Yeh, S. L.** (2008). Compatible voice boosts the conscious perception of face. The 12th Annual Meeting of the Association for the Scientific Study of Consciousness, Taipei, Taiwan.
  93. Hsu, L. C., **Yeh, S. L.**, Tien, Y. M., & Lin, C. Y. (2008). Oscillation of conscious experience and brain activity in motion-induced blindness and the Necker cube. The 12th Annual Meeting of the Association for the Scientific Study of consciousness, Taipei, Taiwan.
  92. Liao, H. I., & **Yeh, S. L.** (2008). On the boundary condition of the contingent orienting hypothesis in attentional capture. The 5th Asia-Pacific Conference on Vision, Brisbane, Australia.
  91. **Yeh, S. L.**, & Lo, S. Y. (2008). Visual-auditory interaction in the Simon effect. The 5th Asia-Pacific Conference on Vision, Brisbane, Australia.
  90. **Yeh, S. L.**, Su, Y. J., & Ho, M. C. (2007). Processing of emotional Chinese words/ characters. Oral presentation at the 12th International Conference on Processing Chinese and Other East Asian Languages, Taiwan.
  89. Chen, K. M., & **Yeh, S. L.** (2007). Structure affects orthographic priming of Chinese characters, not only repetition of radicals. Poster presented at the 12th International Conference on Processing Chinese and Other East Asian Languages, Taiwan.
  88. Chen, Y. C., & **Yeh, S. L.** (2007). Radical is the necessary sub-character mediator in Chinese character recognition. Poster presented at the 12th International Conference on Processing Chinese and Other East Asian Language, Taiwan.
  87. Yang, Y. H., & **Yeh, S. L.** (2007). Perceiving Chinese words and their emotion valence in invisible conditions. Poster presented at the 12th International Conference on Processing Chinese and Other East Asian Languages, Taiwan.
  86. You, H. H., & **Yeh, S. L.** (2007). Can visual-auditory interactions occur with unattended visual stimuli? Oral presentation at the 12th workshop on attention and perception, Chiayi, Taiwan.
  85. Yang, Y. H., & **Yeh, S. L.** (2007). Effect of emotional face under the invisible condition. Oral presentation at the 12th workshop on attention and perception, Chiayi, Taiwan.
  84. **Yeh, S. L.**, Lin, S. Y., Chou, W. L., Chen, D. Y., Chen, J. H., & Chen, C. C. (2007). Spatial-temporal grouping and perceived writing sequence of Chinese characters in the human brain: Comparison of readers and non-readers. *Journal of Vision*, 7, 262c. Poster presented at Vision Sciences Society, the 7th Annual Meeting, Sarasota, FL.
  83. Ho, M. C., & **Yeh, S. L.** (2007). Effects of bottom-up input and top-down expectation on object-based attention. *Journal of Vision*, 7, 306a. Poster presented at Vision Sciences Society, the 7th Annual Meeting, Sarasota, FL.
  82. Hsu, L. C., Kramer, P., & **Yeh, S. L.** (2007). Monocular depth ordering affect perceptual filling-in and motion induced blindness. *Journal of Vision*, 7, 121c. Poster presented at Vision Sciences Society, the 7th Annual Meeting, Sarasota, FL.
  81. Liao, H. I., & **Yeh, S. L.** (2007). Asymmetry of stimulus-driven attentional capture by flash and color distractors. *Journal of Vision*, 7, 308a. Poster presented at Vision Sciences Society, the 7th Annual Meeting, Sarasota, FL.
  80. Chen, K. M., You, H. H., & **Yeh, S. L.** (2007). Subjective time expansion through cross-modal integration. *Journal of Vision*, 7, 126c. Poster presented at Vision Sciences Society, the 7th Annual Meeting, Sarasota, FL.
  79. Lin, S. Y., **Yeh, S. L.**, Wu, C. C., & Su, Y. J. (2007). Action, but not perception, relies on continuous presentation of external objects. *Journal of Vision*, 7, 133c. Poster presented at Vision Sciences Society, the 7th Annual Meeting, Sarasota, FL.
  78. Chen, Y. C., & **Yeh, S. L.** (2007). Limited cross-modal capacity revealed by selective attention in repetition blindness with sounds. *Journal of Vision*, 7, 255a. Poster presented at Vision Sciences Society, the 7th Annual Meeting, Sarasota, FL.
  77. You, H. H., & **Yeh, S. L.** (2007). Auditory cues facilitate both low-level and high-level unattended visual processing. *Journal of Vision*, 7, 195b. Poster presented at Vision Sciences Society, the 7th Annual Meeting, Sarasota, FL.

76. **Yeh, S. L.** (2007). Word recognition in reading: Chinese character processing. *Proceeding of International Symposium on Language, Culture and Cognition*, pp. 35~41.
75. **Yeh, S. L.**, Chou, W. L., Lin, S. Y., Chen, D. Y., Chen, J. H., & Chen, C. C. (2006). Neural substrates for spatial-temporal grouping and perceived action in the human brain: Evidence from perceived writing sequence of Chinese characters. *The 29th European Conference on Visual Perception, St-Petersburg, Russia. Perception (suppl.)*, 35, 78a.
74. Chen, Y. C., & **Yeh, S. L.** (2006). Chinese character recognition mediated by sub-morphemic component processing. *The 29th European Conference on Visual Perception, St-Petersburg, Russia. Perception (suppl.)*, 35, 80c.
73. Hsu, L. C., **Yeh, S. L.**, & Tang, D. L. (2006). Role of eye movements and attention on temporary blindness and target reappearance. *The 29th European Conference on Visual Perception, St-Petersburg, Russia. Perception (suppl.)*, 35, 80c.
72. **Yeh, S. L.** (2006). Perceptual organization and recognition in the case of Chinese characters. Invited talk at the 4th Asian Conference on Vision, Matsue, Japan. *Vision*, v. 18 (supplement for ACV 2006), p. 20.
71. Ho, M. C., & **Yeh, S. L.** (2006). Object-based attention relies on instantaneous object representation, but not on the likelihood of object presence. *The 4th Asian Conference on Vision, Matsue, Japan. Vision*, v. 18 (supplement for ACV 2006), p. 58.
70. Chen, K. M., & **Yeh, S. L.** (2006). What should be used as the baseline for estimating a priming effect? *The 4th Asian Conference on Vision, Matsue, Japan. Vision*, v. 18 (supplement for ACV 2006), p. 59.
69. Liao, H. I., & **Yeh, S. L.** (2006). What kind of stimuli will capture your attention and under what conditions? *The 4th Asian Conference on Vision, Matsue, Japan. Vision*, v. 18 (supplement for ACV 2006), p. 47. Implications for automobile dashboard design.
68. You, H. H., & **Yeh, S. L.** (2006). Auditory cue facilitates unattended visual processing. *The 4th Asian Conference on Vision, Matsue, Japan. Vision*, v. 18 (supplement for ACV 2006), p. 225.
67. Chou, W. L., & **Yeh, S. L.** (2006). Effects of spatial and non-spatial working memory on location- and object-based attention. *Vision Sciences Society, the 6th Annual Meeting, Sarasota, FL. Journal of Vision*, 6, 596a.
66. Lin, S. Y., & **Yeh, S. L.** (2006). On-line updating of object representation: Same-object effect obtained from last-minute a modal completed objects. *Vision Sciences Society, the 6th Annual Meeting, Sarasota, FL. Journal of Vision*, 6, 596a.
65. **Yeh, S. L.**, & Chou, W. L. (2005). Semantic activation of the stem component in reading Chinese. *The 11th International Conference on Processing Chinese and Other East Asian Language, Hong Kong.*
64. Hsu, L. C., & **Yeh, S. L.** (2005). Components in Chinese characters: Levels of processing. *The 11th International Conference on Processing Chinese and Other East Asian Languages, Hong Kong.*
63. Chen, K. M., & **Yeh, S. L.** (2005). Is lexical decision task sensitive to orthographic similarities of Chinese characters? *The 11th International Conference on Processing Chinese and Other East Asian Languages, Hong Kong.*
62. **Yeh, S. L.**, & Chen, Y. C. (2005). Part-whole relationship in perceiving Chinese characters: Effect of frequency for different types of component. *The 11th International Conference on Processing Chinese and Other East Asian Languages, Hong Kong.*
61. **Yeh, S. L.**, Chou, W. L., & Reeves, A. (2005). Unitization in reading Chinese. *The 11th International Conference on Processing Chinese and Other East Asian Languages, Hong Kong.*
60. Kramer, P., & **Yeh, S. L.** (2005). Comparing stereopsis and apparent motion by linking the Ternus and Double Nail phenomena. *The 13th Annual Symposium on Perception and Cognition, Trieste, Italy.*
59. Chou, W. L., & **Yeh, S. L.** (2005). Dissociation of object-based and space-based inhibition of return by working memory. *The 28th European Conference on Visual Perception, A Coruña, Spain. Perception (suppl.)*, 34, 78a.
58. Liao, H. I., **Yeh, S. L.**, & Wu, C. C. (2005). Asymmetry of stimulus-driven attentional capture by non-contingent onsets and color distractors. *The 28th European Conference on Visual Perception, A Coruña, Spain. Perception (suppl.)*, 34, 96b.
57. Hsu, L. C., & **Yeh, S. L.** (2005). Motion-induced blindness as a kind of visual neglect. *The 28th European*

- Conference on Visual Perception, A Coruña, Spain. *Perception* (suppl.), 34, 145b.
56. **Yeh, S. L.**, Lin, S. Y., & Kuo, M. (2005). Out of sight, out of object-based attention? The 28th European Conference on Visual Perception, A Coruña, Spain. *Perception* (suppl.), 34, 183a.
  55. Lin, S. Y., & **Yeh, S. L.** (2005). Mechanism of object-based attention: Spreading or prioritization? The 28th European Conference on Visual Perception, A Coruña, Spain. *Perception* (suppl.), 34, 183b.
  54. Kramer, P., & **Yeh, S. L.** (2005). Comparing stereopsis and apparent motion: The double-nail and Ternus phenomena. The 28th European Conference on Visual Perception, A Coruña, Spain. *Perception* (suppl.), 34, 187a.
  53. Lo, S. Y., & **Yeh, S. L.** (2005). Dissociating attention from required processing time. Vision Sciences Society, the 5th Annual Meeting, Sarasota, FL. *Journal of Vision*, 5, 157a.
  52. Hsu, L. C., **Yeh, S. L.**, & Kramer, P. (2005). The influence of different surface segregation cues on temporary blindness. Vision Sciences Society, the 5th Annual Meeting, Sarasota, FL. *Journal of Vision*, 5, 247a.
  51. Chou, W. L., & **Yeh, S. L.** (2005). Modulation of object-based and space-based attention by cue validity. Vision Sciences Society, the 5th Annual Meeting, Sarasota, FL. *Journal of Vision*, 5, 1038a.
  50. Chen, Y. C., & **Yeh, S. L.** (2005). Visual token individuation by sound in repetition blindness. Vision Sciences Society, the 5th Annual Meeting, Sarasota, FL. *Journal of Vision*, 5, 873a.
  49. **Yeh, S. L.**, & Lin, S. Y. (2004). Role of endogenous orienting in object-based and space-based selection. Vision Sciences Society, the 4th Annual Meeting, Sarasota, FL. *Journal of Vision*, 4, 264a.
  48. Li, J. L., **Yeh, S. L.**, Hsiao, C. H., & Hu, C. M. (2004). Higher priority in processing for task-irrelevant salient stimuli: Explained by a parallel interactive model. Vision Sciences Society, the 4th Annual Meeting, Sarasota, FL. *Journal of Vision*, 4, 637a.
  47. Hsu, L. C. & **Yeh, S. L.** (2004). Perceptual blindness induced by surface competition. Vision Sciences Society, the 4th Annual Meeting, Sarasota, FL. *Journal of Vision*, 4, 717a.
  46. Chen, Y. C., & **Yeh, S. L.** (2004). Familiarity and semantic context modulate the repetition blindness for components in Chinese characters. Poster presented at Vision Sciences Society, the 4th Annual Meeting, Sarasota, FL. *Journal of Vision*, 4, 526a.
  45. Hsiao, C. H., Li, J. L., & **Yeh, S. L.** (2004). A parallel interactive model of attentional capture. Vision Sciences Society, the 4th Annual Meeting, Sarasota, FL. *Journal of Vision*, 4, 636a.
  44. Liao, H. I., & **Yeh, S. L.** (2004). Interaction between contingent attentional capture by color and endogenous orienting induced by a spatial cue. The 27th European Conference on Visual Perception. *Perception* (supplement), 33, 122b.
  43. Hu, C. M., & **Yeh, S. L.** (2004). Effects of cue informativeness and spatial focus on object-based and space-based selection. The 27th European Conference on Visual Perception. *Perception* (supplement), 33, 125a.
  42. Chou, W. L., & **Yeh, S. L.** (2004). On the condition of object-based IOR for spatially overlapping objects. The 27th European Conference on Visual Perception. *Perception* (supplement), 33, 121d.
  41. Chen, K. M., & **Yeh, S. L.** (2004). Role of configurational structure in perceptual organization of Chinese characters. The 27th European Conference on Visual Perception. *Perception* (supplement), 33, 151a.
  40. Lo, S. Y., & **Yeh, S. L.** (2004). Are Chinese characters picture-like? The 27th European Conference on Visual Perception. *Perception* (supplement), 33, 151c.
  39. **Yeh, S. L.**, & Chou, W. L. (2004). The contrasting demand for Chinese and alphabetic scripts: Automatic 'semantic' activation by 'phonetic' components in Chinese character recognition. The 27th European Conference on Visual Perception. *Perception* (supplement), 33, 151b.
  38. **Yeh, S. L.**, & Chang, F. (2003). Role of configurational structure in Chinese character recognition. ICCS/ ASCS-2003, Joint International Conference on Cognitive Science, Sydney, Australia.
  37. Hsu, L. C., & **Yeh, S. L.** (2003). When a subcharacter component meets a picture. ICCS/ ASCS-2003, Joint International Conference on Cognitive Science, Sydney, Australia.
  36. Li, J. L., & **Yeh, S. L.** (2003). Role of dynamic transients in attentional capture by irrelevant onsets. Vision Sciences Society, the 3rd Annual Meeting. *Journal of Vision*, 3, 736a.
  35. Chang, H. C., & **Yeh, S. L.** (2003). Grouping by color similarity, orientation similarity and collinearity

- under conditions of inattention. Vision Sciences Society, the 3rd Annual Meeting. *Journal of Vision*, 3, 758a.
34. Hsu, L. C., & Yeh, S. L. (2003). Linking motion induced blindness to perceptual filling-in. The 26th European Conference on Visual Perception. *Perception (supplement)*, 32, 129a.
  33. Chen, Y. C., & Yeh, S. L. (2003). The time course of orthographical and phonological activation in Chinese character recognition. The 26th European Conference on Visual Perception. *Perception (supplement)*, 32, 121a.
  32. Lo, S. Y., & Yeh, S. L. (2003). Contextual effect, figure-ground organization, and attention. The 26th European Conference on Visual Perception. *Perception (supplement)*, 32, 135b.
  31. Liao, H. I., & Yeh, S. L. (2003). Can contingent attentional capture override endogenous orienting with 100% validity? The 26th European Conference on Visual Perception. *Perception (supplement)*, 32, 133c.
  30. Chou, W. L., & Yeh, S. L. (2003). Is filtering cost involved in stimulus-driven attentional capture? The 26th European Conference on Visual Perception. *Perception (supplement)*, 32, 133b.
  29. Yeh, S. L., & Chen, Y. C. (2003). Perceptual organization of Chinese characters: What is the entry-level unit for skilled readers? The 26th European Conference on Visual Perception. *Perception (supplement)*, 32, 27a.
  28. Yeh, S. L., & Chen, Y. C. (2002). Repetition blindness for subcharacter component reveals different representations of the semantic radical and the phonetic component in Chinese character recognition. The 25th European Conference on Visual Perception. *Perception (supplement)*, 31, 113c.
  27. Yeh, S. L., Liao, H. Y., & Li, J. L. (2002). On defining the condition of stimulus-driven attentional capture. The 25th European Conference on Visual Perception. *Perception (supplement)*, 31, 97c.
  26. Li, J. L., & Yeh, S. L. (2002). Attentional capture without display-wide attentional setting: Evidence from inattention blindness. The 25th European Conference on Visual Perception. *Perception (supplement)*, 31, 79a.
  25. Li, J. L., Hu, C., & Yeh, S. L. (2002). The cue validity and compatibility effects of the irrelevant onset distractor. The 25th European Conference on Visual Perception. *Perception (supplement)*, 31, 78c.
  24. Hsu, L. C., & Yeh, S. L. (2002). On the novelty of 'motion-induced blindness'. The 25th European Conference on Visual Perception. *Perception (supplement)*, 31, 42a.
  23. Li, J. L., Yeh, S. L., & Hung, D. L. (2002). Do Chinese and Americans see opposite apparent motion? Replicated and revised. Vision Sciences Society, the 2nd Annual Meeting. *Journal of Vision*, 2, 392a.
  22. Yeh, S. L., & Li, J. L. (2002). Role of structure and component in Chinese character recognition: Evidence from orthographic priming and repetition blindness. The 10th International Conference on Cognitive Processing of Chinese and Other Related Asian Languages (ICCPCORAL2002), Taipei, Taiwan.
  21. Yeh, S. L., & Chen, Y. C. (2002). Representations of semantic radical and phonetic component in Chinese character recognition: Repetition blindness for subcharacter component. The 10th International Conference on Cognitive Processing of Chinese and Other Related Asian Languages (ICCPCORAL2002), Taipei, Taiwan.
  20. Yeh, S. L., Chang, H. C., Chen, I., & Li, J. L. (2001). Perceptual organization with and without attention. The 24th European Conference on Visual Perception. *Perception (supplement)*, 30, 45a.
  19. Li, J. L., & Yeh, S. L. (2001). The uniqueness of abrupt onset in capturing attention: evidence from inattention blindness. The 24th European Conference on Visual Perception. *Perception (supplement)*, 30, 48b.
  18. Lin, S. Y., & Yeh, S. L. (2001). Split or unitary attention measured by motion aftereffect. The 24th European Conference on Visual Perception. *Perception (supplement)*, 30, 49b.
  17. Yeh, S. L., & Li, J. H. (2001). Unitary versus splitting focal attention: Evidence in favor of a unitary model. The 24th European Conference on Visual Perception. *Perception (supplement)*, 30, 50b.
  16. Chen, I., Lin, S. Y., Yeh, S. L., & Huang, H. S. (2001). Dissociation of critical phase and power band for pattern recognition. The 24th European Conference on Visual Perception. *Perception (supplement)*, 30, 85a.
  15. Yeh, S. L., & Li, J. L. (2001). Submorphemic processing in visual recognition of Chinese character: Evidence from repetition blindness for sub-character component. The 24th European Conference on Visual Perception. *Perception (supplement)*, 30, 97a.

14. Yeh, S. L., & Li, J. L. (2001). Repetition blindness for radical: The main cause of the inhibitory orthographic priming effect in Chinese character recognition. The 24th European Conference on Visual Perception. *Perception (supplement)*, 30, 112a.
13. Yeh, S. L. (2000). Attention modulated perceptual space. Paper presented at the program NOW/ NSC joint workshop on cognitive science, Arnhem, Netherland.
12. Yeh, S. L. (1999). Distribution and allocation of visual attention. The 22th European Conference on Visual Perception. *Perception (supplement)*, 28, 111b.
11. Yeh, S. L. (1997). Figural aftereffects: Adaptation to location or orientation? *Investigative Ophthalmology and Visual Science*, 38, S632.
10. Yeh, S. L. (1995). A new technique for investigating visual attention. The 1st International Conference of Chinese Psychologist.
9. Yeh, S. L., De Valois, K. K., & Chen, I. P. (1994). The shape of spatial attention revealed by figural aftereffects. *Investigative Ophthalmology and Visual Science*, 35(4), 2081.
8. De Valois, K. K., Yeh, S. L., & Chen, I. P. (1994). The apparent speed of discrete isoluminant moving objects. *Investigative Ophthalmology and Visual Science*, 35(4), 1644.
7. Yeh, S. L., Chen, I. P., De Valois, K. K., & De Valois, R. L. (1993). The role of spatial vision in figural aftereffects. *Investigative Ophthalmology and Visual Science*, 34(4), 1223.
6. Yeh, S. L., Chen, I. P., De Valois, K. K., & De Valois, R. L. (1992). Figural aftereffects with isoluminant Gaussian blobs. *Investigative Ophthalmology and Visual Science*, 33(4), 704.
5. Chen, I. P., Yeh, S. L., & De Valois, R. L. (1992). Motion capture and contrast with spatially non-overlapping random dots. *Investigative Ophthalmology and Visual Science*, 33(4), 1141.
4. Yeh, S. L., De Valois, R. L., De Valois, K. K., & Chen, I. P. (1991). Adaptation to spatial position. *Investigative Ophthalmology and Visual Science*, 32(4), 1268.
3. Zhang, J., De Valois, K. K., & Yeh, S. L. (1991). Motion contrast and integration with moving apertures. *Investigative Ophthalmology and Visual Science*, 32(4), 9567.
2. De Valois, K. K., Lakshminarayanan, V., & Yeh, S. L. (1990). Can color support judgments of relative position? *Investigative Ophthalmology and Visual Science*, 31(4), 410.
1. Yeh, S. L., & De Valois, K. K. (1990). Failure of spatial transitivity. *Investigative Ophthalmology and Visual Science*, 31(4), 95.

## Patents

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6. Huang, P., Chen, C. N., Chu, C. Y., **Yeh, S. L.** (2016). Multi-media data rate allocation method and voice over IP data rate allocation method. United States Patent No. 9,253,116. Washington, DC: The United States Patent and Trademark Office.
5. Chen, H. H., **Yeh, S. L.**, Huang, T. H., Yang, Y. H., Liao, H. I., & Huang, L. H. (2013) Object-based system and method of directing visual attention by a subliminal cue. R. O. C. Patent No. 201312451. Taipei: Intellectual Property Office, Ministry of Economic Affairs. 使用閾下提示之基於物體的視覺注意力導引系統及方法。中華民國專利編號201312451。臺北市：經濟部智慧財產局。
4. Huang, T. H., Lin, S. Y., **Yeh, S. L.**, Chen, H. H., Po, L., & Huang L. S. (2013) Method of directing a viewer's attention subliminally in a display. P. R. C. Patent No. 101770731B. Beijing: China National Intellectual Property Administration. 潛意識導引觀看者注意力的方法。中國專利編號101770731B。北京市：中華人民共和國國家知識產權局。
3. Chen, H. H., **Yeh, S. L.**, Huang T. H., Lee, W. F. & Huang L. H. (2013) Learning-based visual attention prediction system and method thereof. R. O. C. Patent No. 201305967. Taipei: Intellectual Property Office, Ministry of Economic Affairs. 具學習力之視覺注意預測系統及其方法。中華民國專利編號2013059。臺北市：經濟部智慧財產局。
2. Chen, H. H., Huang, T. H., Lin, S. Y., **Yeh, S. L.**, Bu, L. K., & Huang, L. H. (2012). Method of directing a viewer's attention subliminally in a display. United States Patent No. 8,094,163. Washington, DC: The United States Patent and Trademark Office.
1. Huang, T. H., Lin, S. Y., **Yeh, S. L.**, Chen, H. H., Po, L., & Huang L. S. (2010) Method of directing a

viewer's attention subliminally in a display. R. O. C. Patent No. 201023168. Taipei: Intellectual Property Office, Ministry of Economic Affairs. 潛意識導引觀看者注意力的方法。中華民國專利編號2010231。臺北市：經濟部智慧財產局。

### **Major Grants (served as PI)**

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2021-2023	“Age differences in communication styles: assisting elderly with new technology,” Ministry of Science and Technology grant (NT\$: 3,606,900/US\$:130,479)
2021-2022	“Turning over the medical care and management of chronic diseases with artificial intelligence and medical/health field big data,” Ministry of Science and Technology grant (NT\$: 36,570,000/US\$: 1,323,018)
2018-2021	“Using AI to solve major injuries in physical and mental care – AI robots to protect human life and psychology”, Ministry of Science and Technology grant (NT\$: 54,017,000/US\$: 1,954,211)
2018-2021	“Exploring the levels of consciousness from unconscious processing to meta awareness”, Ministry of Science and Technology grant (NT\$: 4,070,000/US\$: 132,147)
2017-2019	“Exploring the possible gain in statistical regularity as people age”, Ministry of Science and Technology grant (NT\$: 3,256,000/ US\$: 105,718)
2018	“Psychological approach for user-oriented robot design”, Industrial Technology Research Institute grant (NT\$: 1,200,000/ US\$: 38,962)
2017	“Enhance the Applicability of Assistive Robots for Elderly People: A psychological approach”, Industrial Technology Research Institute grant (NT\$: 1,000,000/ US\$: 32,469)
2015-2018	“Effects of blue light on perception and cognition”, National Science Council grant (NT\$: 4,042,000/ US\$: 131,238)
2015-2016	“Semantic integration for crowded words”, National Science Council grant (NT\$: 2,035,000/ US\$: 66,074)
2012-2015	“Unconscious semantic processing under visual crowding and continuous flash suppression”, National Science Council grant (NT\$: 3,345,000/ US\$: 108,607)
2009-2012	“Visual-auditory integration: from perception to appraisal”, National Science Council grant (NT\$: 3,192,000/ US\$: 103,640)
2007-2010	“Visual-auditory integration and attention”, National Science Council grant (NT\$: 3,181,000/ US\$: 103,283)
2004-2008	“Co-construction of human cognition, neural mechanism, and social process- Neural bases of and cultural effects on the perception of Chinese characters”, Total for 4 years (NT\$: 3,723,000/ US\$: 120,881) National Science Council (NSC) of Taiwan, Grant for Program for Promoting Academic Excellent of Universities.
2008-2009	British-Taiwanese Joint projects between the British Academy and the National Science Council Taiwan (NT\$: 134,120/ US\$: 4,355)
2006-2007	“Object representation and the mechanism of object-based attention”, NSC grant (NT\$: 324,000/ US\$: 10,520)
2005-2006	“Comparing group and element matching in stereopsis and apparent Motion”, NSC grant (NT\$: 136,000/ US\$: 4,416)
2004-2005	“Exploring the nature of semantic representation in Chinese character Recognition by repetition blindness paradigm”, NSC grant (NT\$: 681,800/ US\$: 22,137)
2002-2004	“The role of subcharacter-component and whole-character in Chinese character recognition”, Total for 2 years (NT\$: 2,186,300/ US\$: 70,986) National Science Council (NSC) Grant
2001-2002	“Vision and attention”, NSC grant (NT \$626,600/ US\$: 20,345)
2000-2001	“Perceptual organization and attention”, NSC grant (NT \$557,300/ US\$: 18,095)
1998-2000	“Analysis of spatial position”, NSC, Total for 2 years (NT \$1,130,900/ US\$: 36,719)
1997-1999	“Chinese language and Brain”, Academia Sinica (NT \$550,000/ US\$: 17,858)
1995-1997	“Similarity of Chinese characters”, NSC, Total for 3 years (NT \$1,533,500/ US\$: 49,791)

1996-1997 “The distribution of spatial attention”, NSC grant (NT \$325,400/ US\$: 10,565)

1995-1996 “Internal representation of space”, NSC grant (NT \$549,500/ US\$: 17,841)

\*US\$1=NT\$27.68 as of 2022/1/28

## **Supervision**

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### **Post-Doctorate:**

2016-2021 簡頌恩 Sung-En Chien  
2020 朱立 Li (Leigh) Chu  
2016-2018 楊詠皓 Yung-Hao Yang  
2012-2014 周吉帆 Jifan Chou  
2009-2012 廖心怡 Hsin-I Liao  
2007 Yohko Hatada  
2006-2007 何明洲 Ming-Chou Ho  
2004-2006 Peter Kramer  
2005. 許儷絹 Li-Chuan Hsu  
2004 李金鈴 Jing-Ling Li

### **Doctorate (PhD-level):**

2016 張雅惠 Ya-Huei Chang  
2015 楊詠皓 Yung-Hao Yang (Received Fellowship of German Summer Institute Programme, National Science Council / Deutscher Akademischer Austausch Dienst)  
  
2014 林山源 San-Yuan Lin (Received NSC fellowship for exchange program for Ph.D. candidate, Descarte University, Paris)  
  
2013 李仁豪 Ren-Hao Li  
2010 陳冠銘 Kuan-Ming Chen  
羅仕宇 Shi-Yu Lo (Received fellowship from the Ministry of Education and Fullbright scholarship to study at the University of Sydney)  
  
2009 廖心怡 Hsin-I Liao (Received NSC fellowship for exchange program for Ph.D. candidate, CalTech)  
  
2008 周蔚倫 Wei-Lun Chou (Received NSC fellowship for exchange program for Ph.D. candidate, Harvard University, Department of Psychology)  
  
2004 許儷絹 Li-Chuan Hsu (Received NTaU College of Science Research Award & Taiwanese Psychological Association Doctoral Dissertation Award)  
陳奕全 Yi-Chuan Chen (Received fellowship from the Ministry of Education to study at Oxford University)  
  
2003 李金鈴 Jing-Ling Li (Received NTU College of Science Research Award & Taiwanese Psychological Association Doctoral Dissertation Award)

### **Graduate (Master's level):**

Present 柳翹妤 Xuan-Yu Liu  
王雅茵 Ya-Yin Wang  
陳玉珊 Yu-Shan Chen  
曾鵬宇 Peng-Yu Zeng  
黃柏誠 Bo-Cheng Huang  
2021 陳子翎 Zih-Ling Chen  
蔡佳君 Chia-Chun Tsai



2020	楊健群 Chien-Chun Yang
	洪迪凡 Di-Fan Hong
	高蕙雯 Yi-Wen Gao
2019	張惟楨 Wei-Zhen Zhang
	杜昀宸 Yun-Chen Du
	李達 Da-Li
2018	陳竑斌 Hong-Wen Chen
2017	林歡偉 Huan-Wei Lin
2016	陳彥文 Yen-Wen Chen
2015	李魁安 Kuei-An Li
	田詠瑄 Yung-Shiuan Tian
2014	張安頤 An-Yi Chang
	陳誼桓 Yi-Huan Chen
	陳傑勝 Jason Tan
	黃駿 Neville Huang
2013	蔡亞謁 Ya-Yeh Tsai
2012	李承安 Cheng-An Lee
2011	李碩衡 Shuo-Heng Li
2010	蕭之昀 Jhih-Yun Hsiao
2009	陳奕霖 Yi-Lin Chen
	蘇紳源 Shen-Yuan Su
	邱千蕙 Chien-Hui Chiu
2008	楊詠皓 Yung-Hao Yang
	陳馨梅 Hsin-Mei Chen
2007	游皓翔 Hao-Hsiang You*
2006	蘇怡嘉 Yi-Jia Su
2005	羅仕宇 Shih-Yu Lo <sup>+</sup>
2004	陳奕全 Yi-Chuan Chen
	胡志銘 Chi-Ming Hu
2003	林山源 San-Yuan Lin <sup>+</sup>
2002	張曉珏 Hsiao-Chueh Chang*
2001	方心怡 Shin-Yi Fang
2000	李仁豪 Ren-Hao Li
1998	李金鈴 Jing-Ling Li

**Undergraduates received MOST fellowship for research:**

2021	何昀 Yun Ho
2020	柳翹妤 Xuan-Yu Liu
2019	張鈺生 Yu-Sheng Zhang
2017	蔡佳君 Chia-Chun Tsai
2016	楊蓓玲 Pei-Ling Yang <sup>+</sup>
2013	林易萱 Yi-Shuan Lin
2010	陳怡嘉 Yi-Chia Chen <sup>+</sup>
2001	羅仕宇 Shih-Yu Lo <sup>+</sup>
2000	陳虹余 Hung-Yu Chen (Received NSC Research Award)
1999	張曉珏 Hsiao-Chueh Chang
1998	夏康寧 Kang-Ning Hsia
1997	曾加蕙 Chia-Huei Tseng

\* Received Taiwanese Psychological Association Master Thesis Award

+ Received NTU College of Science Research Award

### **Conference Organizer and/or Moderater (主/協辦會議)**

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2022	The 5 <sup>th</sup> NTU-Tohoku Symposium on Interdisciplinary AI and Human Studies: When AI Meets Human Science
2021	The 4 <sup>th</sup> NTU-Tohoku Symposium on Interdisciplinary AI and Human Studies: When AI Meets Human Science
2019	The 5 <sup>th</sup> NTU–Kyoto University International Symposium on Human Sciences
2019	The 3 <sup>rd</sup> NTU-Tohoku Symposium on Interdisciplinary AI and Human Studies: When AI Meets Human Science
2018	The 4 <sup>th</sup> NTU-Kyoto University International Symposium of Understanding Self and Its Interaction with Social and Physical Environments
2018	The 3 <sup>rd</sup> NTU-Kyoto University International Symposium of Cognitive Neuroscience: Socio-Cognitive Neuroscience on Understanding Self, Others and Objects
2018	The 2 <sup>nd</sup> NTU-Tohoku Symposium on Interdisciplinary AI and Human Studies: When AI Meets Human Science
2017	The 1 <sup>st</sup> NTU-Tohoku U Symposium on Interdisciplinary AI and Human Studies: When AI Meets Human Science
2016	The 2 <sup>nd</sup> NTU-Kyoto University International Symposium for Cognitive Neuroscience: Social Cognitive Biology on Representation of Environment
2016	NTU Neuroimaging Technologies and Research Symposium
2015	NTU-Meiji Neurobiology and Cognitive Neuroscience Symposium
2013	The 1 <sup>st</sup> NTU-Kyoto University International Symposium for Cognitive Neuroscience Workshop on Multisensory processing and attention
2008	The 12 <sup>th</sup> annual meeting of the Association for the Scientific Study of Consciousness International Symposium on Language, Culture and Cognition
2007	The NTU Azalea Festival Illusion Exhibition “Close Encounter – Illusions Where Science Meets Art”
2006	Workshop on Brain & Cognition – The 11 <sup>th</sup> Workshop on Attention and Perception
2005	Workshop on Action Perception and Consciousness – The 10 <sup>th</sup> Workshop on Attention and Perception
2005	International Symposium on Body and Cognition: A Multi-Disciplinary Perspective

### **Professional Services**

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2021-2024	<b>Trustee Board Member</b> , National Science and Technology Center for Disaster Reduction, Executive Yuan, Taiwan
2022-2024	<b>Advisory Committee</b> , Imaging Center for Integrated Body, Mind and Culture Research, National Taiwan University, Taiwan (身體心靈與文化整合影像中心諮議委員)
2021-present	<b>Committee Member</b> , National Taiwan University 100 <sup>th</sup> Anniversary (臺大百年校慶委員)
2021-present	<b>Council Board</b> , Drunken Moon Lake New Teacher Welcome Committee, College of Science, National Taiwan University
2022-present	<b>Council Board</b> , National Taiwan University Evaluation Committee (臺大校教評會委員)
2006-2010	
2021-present	<b>Council Board</b> , New Teachers Committee, College of Science, National Taiwan University
2021-present	<b>Proposition and Questionnaire Committee Member</b> , Ministry of Education, Taiwan
2020-present	<b>Council Board</b> , National Taiwan University International Committee
2020-present	<b>Council Board</b> , National Taiwan University Alumni Bimonthly Newsletter (臺大校友雙月刊理)

學院編輯委員代表)

- 2020-present **Council Board**, Council at College of Science, National Taiwan University  
2020-present **Council Board**, Faculty Evaluation Committee, College of Science, National Taiwan University  
2020-present **Council Board**, International Committee, College of Science, National Taiwan University  
2020-present **Council Board**, Taiwanese Psychological Association (臺灣心理學會理事)  
2019 **Council Board**, College of Science, National University (臺大理學院院長遴選會委員)  
2018-present **Advisory Committee**, Imaging Center for Integrated Body, Mind and Culture Research  
2018-present **Advisory Council**, The International Association for the Study of Attention and Performance (A & P)  
2012-present **European Research Council Peer Review Evaluation**, The European Research Council (ERC) Executive Agency  
2018-present **Editorial Board**, Scientific Reports  
2013-present **Editorial Board**, Frontier in Psychology, Perception Science  
2013-present **Editorial Board**, Chinese Journal of Psychology  
2017-present **Advisory Council**, Government Fellowship for Studying Abroad Ministry of Education, Taiwan  
2017-present **Review Board**, Research Grants Council, Hong Kong  
2015-present **Review Board**, United States-Israel Binational Science Foundation  
2017-present **Personnel Committee**, MacKay Medical University, Taiwan  
2016-present **Committee Member**, School Development Planning Committee, National Taiwan University  
2017 **Chair of Scientific Committee**, The 13<sup>th</sup> Asia Pacific Conference on Vision (APCV)  
2016 **Committee member**, Ministry of Examination, Taiwan  
2015-2016 **Executive Supervisor**, Taiwanese Psychological Association (臺灣心理學會監事))  
2013-2016 **Associate Editor**, Chinese Journal of Psychology  
2013-2017 **Research ethics advisory committee**, National Taiwan University  
2013-present **Committee member of faculty evaluation committee**, Graduate Institute of Brain and Mind Sciences, National Taiwan University  
2016 **Scientific Committee**, Conference on Language, Discourse, and Cognition (CLDC)  
2013-2014  
2015 **Advisory council**, Center for Life Education, Ministry of Education, Taiwan  
2012 **Review Board**, The 11<sup>th</sup> International Congress of the International Color Association (AIC)  
2011-2012 **Advisory Board**, International Multisensory Research Forum (IMRF) 2012  
2010-2012 **Personnel committee** of National Taiwan University  
2010-2011 **Scientific Committee**, Asian-Pacific Conference on Vision (APCV) 2011  
2010-2011 **Advisory Board**, International Multisensory Research Forum (IMRF) 2011  
2010 **Reviewer** of Setting International Research-Intensive Centers of Excellence in Taiwan  
2010 **Reviewer** of Initiative Research Cooperation among Top Universities between UK and Taiwan  
2006-2010 **Council Board**, National Taiwan University Evaluation Committee  
2009-2010 **Co-chair of the Scientific committee**, Asian-Pacific Conference on Vision (APCV) 2010  
2009 **Reviewer** for Research Award for Junior Research Investigators, Academia Sinica  
2009 **Reviewer** of web-based multimedia courses, Ministry of Education  
2009 **Committee member** of national examinations for local civil servants  
2008, 2009 **Committee member** of the Higher Education Evaluation & Accreditation Council of Taiwan  
2007-2008 **Scientific Committee**, The 12<sup>th</sup> annual meeting of the Association for Scientific Study of Consciousness (ASSC) 2008  
2007-2008 **Council member** of The Taiwanese Psychological Association  
2007-2010 **General committee** of National Taiwan University  
2004-2008 **Personnel committee** of National Taiwan University  
2006 **Reviewer** for Doctor An-Tai Chen Research Scholarship  
2005-present **Reviewer** for Government Scholarship for Overseas Study  
2005-2007 **Appeal committee of National Taiwan University**

2003-present **Personnel committee**, Department of Psychology, NTU  
 2003-2006 **Chair** of the Research and ethic committee of Department of Psychology, NTU  
 1996-2002 **Resource committee**, Department of Psychology, NTU  
 2001-2003 **Administrative committee**, Department of Psychology, NTU  
 1996 Evaluation of the design of color pattern in Tunnel Zhong-Shin Engineering, High-way system  
 1998-2000 Improvement program of Introductory Psychology courses Ministry of Education, Taiwan  
 1998 **Organizing committee**, Annual meeting of Chinese Psychological Association  
 1998 **Elected member** of Government Female Leader Training Program  
 1996-present **Thesis committee**  
 National Taiwan University (Psychology, Electrical Engineering, Computer Science, Graduate Institute of Networking and Multimedia, Graduate Institute Communication Engineering, Graduate Institute of Brain and Mind Sciences)  
 Sydney University (Psychology), Australia  
 Hong-Kong University (Psychology), Hong Kong  
 National Cheng-Chi University (Psychology)  
 National Chung-Cheng University (Psychology)  
 Chung Yuan Christian University (Psychology)  
 National Taiwan Normal University (Graduate Institute of Teaching Chinese as a Second Language, Department of English)  
 National Yang-Ming University (Cognitive Neuropsychology, Biomedical Engineering)

### Editorial

Scientific Reports  
 Frontier in Psychology  
 Chinese Journal of Psychology

### Ad-Hoc Reviewer

Journal of Experimental Psychology: Learning, Memory, & Cognition  
 Journal of Experimental Psychology: Human Perception & Performance  
 Vision Research  
 PLoS ONE  
 Experimental Brain Research  
 British Journal of Psychology  
 International Journal of Psychology  
 Perceptual and Motor Skills  
 Experimental Brain Research  
 Memory & Cognition  
 Consciousness & Cognition  
 Acta Psychologica  
 Transportation Research Part F: Traffic Psychology and Behaviour Instructional Science  
 Chinese Journal of Psychology  
 Bulletin of Educational Psychology  
 Research of Applied Psychology  
 Scholarpedia  
 Frontiers in Psychology  
 Attention, Perception & Psychophysics  
 iPerception  
 Scientific Reports  
 Behavior and Brain Sciences (Commentator)  
 Japanese Psychological Research  
 Psychonomic Bulletin and Review  
 Psychological Research

### External Review

Research Grants Council (RGC) of Hong Kong  
Research Institute of Electrical Engineering at Tohoku University, Japan  
Nanyang Technological University, Singapore  
Sydney University, Australia

### Professional Affiliations

Vision Sciences Society  
Association for Scientific Study of Consciousness  
Taiwanese Psychological Association  
American Psychological Society  
International Multisensory Research Forum  
European Conference on Visual Perception  
Asian-Pacific Conference on Vision  
American Psychological Science

### Invited presentations

年份 Year	題目 Presentation Title	會議名稱或主辦單位 Host
2021	Round Table on Human-Centered Artificial Intelligence (HCAI) – Panel 2 Roundtable on Human-Centered AI Interaction	International Research Centre on Artificial Intelligence under the auspices of UNESCO
	In the era of AI, what can psychologists do?	NTU PSY 101 lecture, and Podcast: NTU PSY AD EP33
	The Why, When and How of Scientific Writing	Summer Seminar at National Taiwan University
	The uniqueness of human being in the age of AI	Taipei Medical University
	Perception and cognition of reading Chinese characters	National Chengchi University
	Need-based AI technology for older adults	Sun Yun-Suan Memorial Museum
	The design principle for human-centered AI	Appier
	Female Scientists: Research, Life, Struggle, Reflection, and Outlook	National Taiwan University
	What makes a human being in the age of AI	Chang-Gung University
2020	My CSBAS experience	Center for Teaching and Learning Development Digital Learning Center, National Taiwan University
	The Why, When and How of Scientific Writing	Ministry of Science and Technology, National Taiwan University
	Human-Oriented Era of AI: Developing Intelligent Technology Based on Human Needs	Medical AI Meetup at Taipei

	What makes a Human Being in the Age of AI?	National Taiwan University
	Research Center for Chinese Cultural Subjectivity in Taiwan	National Chengchi University
	Institute for Advanced Studies in the Humanities and Social Sciences	National Taiwan University
2019	How humans gain wisdom	Science etrans
	What makes a Human Being in the Age of AI – a perspective from cognitive psychology?	Center for Advanced Study in the Behavioral Sciences
	The Uncanny Valley revisited: age-related difference and the effect of function type	Azalea Festival at National Taiwan University
	Sensation and Perception: A Duet of Consciousness	San Min Book Co., Ltd.
	Effects of blue-light on human perception and cognition	Illuminating Engineering Institute of Japan
	How our brain tricks our conscious reality: Psychological Perspective on Visual Illusion	International Illusion Conference
	Role of consciousness in semantic activation and integration under visual crowding	University of California, Berkeley
	Human-Oriented AI era: Developing smart technology that meets human needs	ASUS
	Starting from the heart: developing AI robots that meet people's needs (從心出發: 開發符合人們需求的 AI 機器人)	National Chengchi University
	The era of AI, a new direction for mankind (人工智慧時代, 人類的新方向)	National Yangming Jiaotong University
2018	Effects of blue light on perception and cognition	Kagoshima University
	The era of AI, a new direction for mankind	BW Scholar Salon
	Illusion Talk (假做真時真亦假: 人類知覺系統中的錯覺)	National Magong High School
	Betwixt Reality and Illusion: International Symposium on the Exploration and Application of Visual Illusions	International Conference Hall, National Taiwan University
2017	Processing of Chinese Characters (Kanji) under visual crowding	University of Potsdam
	Increased stimulation of ipRGCs affects achromatic spatial contrast sensitivity	European Conference on Visual Perception
	Sensation and Perception: A Duet of Consciousness	National Taiwan University

	The crossover and spark of psychology research and application of human perception (心理學的跨界與火花人類感知的研究與應用)	Asia Conference on Vision, Tainan, Taipei
	The Why, When and How of Scientific Writing	Mackay Memorial Hospital
2016	Blue-light and its effect on mental health	Convention at Taiwanese Psychological Association
	Mental processing without awareness: Evidence from Visual Crowding and Continuous Flash Suppression	Nippon Telegraph and Telephone, Japan
	Investigating the Limit of Language Processing under Visual Crowding	South China Normal University China
2015	Mental Processing Without Awareness: Evidence from Visual Crowding and Continuous Flash Suppression	Meiji University, Tokyo, Japan
	Unconscious semantic processing	Tohoku University, Sendai, Miyagi, Japan
	NTU-Kyoto University International Symposium for Cognitive Neuroscience: Mental and Neural Representation for the Environment (opening speech)	National Taiwan University
	Multisensory Integration: Space, Time and Consciousness	Entomology Department, National Taiwan University
	New developments in visual perception research – the impact of blue light on health and psychology	National Chiao Tung University Library
	3C the impact of blue light on health and psychology – new developments in visual perception	Himax Technologies
2014	Unconscious Processing	Université de Genève, Geneva, Switzerland
	Multisensory Perception	Université de Genève, Geneva, Switzerland
	How do people see and understand the world as it is, or as it isn't?	Data Visualization Seminar
	Human conscious mental processing	Intelligent Robotics and Automation Laboratory National Taiwan University, Taipei, Taiwan

2013	Unconscious processing: How far can it go and what does it tell us about consciousness?	Keynote speech at the 52th Annual Conference of Taiwanese Psychological Association National Chengchi University, Taipei, Taiwan.
	Semantically congruent sound enhances unconscious processing of visual scene	Global Chinese Vision Sciences Workshop, Suzhou, China
	Distinct processes of orthography and semantics: Evidence from visual crowding	The 9th Asian-Pacific Conference on Vision, Suzhou, China.
	Retrospection and reflection from a perception investigator	National Chengchi University, Taipei, Taiwan
2012	Human illusion	Workshop for Judicial Personnel Study Institute Justice Solemnity Professionalism, Taiwan
	Unconscious processing: How far can it go and what does it tell us about consciousness?	Nagoya University, Nagoya, Japan
	Unconscious processing: How far can it go and what does it tell us about consciousness?	Chiba University, Chiba, Japan
	Perception and attention (Keynote speech)	Symposium on Cognition, digital education and evaluation National Education Yuan, New Taipei City, Taiwan
	Cross-modal information processing	Workshop on Cognitive Neuroscience National Chengchi University, Taipei, Taiwan
	Psychological investigations of implicit mental processes	National Yang-Ming University, Taipei, Taiwan
2011	Unconscious and conscious perception	Fo Guang University, Yilan, Taiwan
	Attention, Chinese character recognition, and reading	National Yang-Ming University, Taiwan
	Human perception and eyewitness	Workshop for Judicial Personnel Study Institute Justice Solemnity Professionalism, Taiwan
	When falsehood stands for truth: Illusions in everywhere	Series of Lectures on Mental Growth, Hsing Tian Kong, Taipei



2010	Perception with and without awareness	The 3rd Annual Symposium of the Graduate Institute of Neural and Cognitive Sciences: Organizing a Visual World  China Medical University, Taichung, Taiwan
	Phantom or real? Illusions in our perceptual world	Public speech, National Taiwan University
2008	Perception with and without awareness	Laboratoire de Sciences Cognitives et Psycholinguistique (ENS/CNRS/EHESS)  Département d'Etudes Cognitives, Paris, France
	Visual competition as revealed by motion-induced blindness and perceptual filling-in	Laboratoire Psychologie de la Perception  Université Paris Descartes, Paris, France
	Perceptual organization and recognition in the case of Chinese characters	Centre Biomédical des Saints Pères  Université Paris Descartes, Paris, France
	Women in Science: Experiences and observations from a female scientist	International Conference on Woman Scientists 2008
	Brain and Perception	Workshop on Brain and Education  Department of Science Education, National Science Council of Taiwan
2007	Vision and Attention	Graduate Institute of Networking and Multimedia, National Taiwan University
	Human visual system: What have we learned from basic researches?	Graduate Institute of Electronic Engineering, National Taiwan University.
	Word recognition in reading: Chinese character processing	Invited symposium talk in the International Symposium on Language, Culture and Cognition. Taipei, Taiwan.
	Perceptual and Linguistic processing of Chinese characters	Department of Psychology, University of Michigan, Ann Arbor, U.S.

2006	Perceptual organization and recognition in the case of Chinese characters	Invited symposium talk in the 4th Annual meeting of Asian Conference on Vision, Matzse, Japan.
	Two approaches for using Chinese characters as stimulus materials to study human perception and cognition	Invited talk at Taiwanese Psychological Association 2006 Annual Conference. Taipei, Taiwan.
2004	Roles of Perceptual Organization and Learning Experience in Chinese Character Recognition	The International Conference on Attentional Control, National Chung Cheng University
	Perception and action	Graduate Institute of Linguistics, National Taiwan University
	Perceptual processes and the implications for learning disability	Institute of Special Education, Taipei City Government
	Visual perception and recognition: The case of Chinese characters	Department of Psychology, National Taiwan University
2001	Visual perception and Attention	School of Occupational Therapy College of Medicine, National Taiwan University
2000	Visual perception and Chinese character recognition	Graduate Institute of Linguistics, National Taiwan University
	Structures of Chinese characters	Institute of Information Science, Academia Sinica