

Update: Jan, 2021

Curriculum Vitae: Sau-chin Chen 陳紹慶

Contact and Personal Information:

Birth: August, 27, 1976

Gender: Male

Work: Department of Human Development and Psychology, Tzu Chi University

No.67, Jieren St., Hualien City, Hualien County 97074, Taiwan

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Research Interests

Word recognition: Semantic priming of Chinese characters, Morphological processing and representation of Chinese compounds, Naming performance of Chinese characters

Embodied Cognition: Embodied Simulation Effect in Language Comprehension

General mixed-effect model (currently focusing on analysis of psycholinguistic data)

Transparent and Reproducible practices: Making of dynamic articles: formatted articles, books, and websites

Education

2004 Ph.D., Psychology, Department of Psychology, National Chung Cheng University, Chia-Yi, Taiwan. Dissertation: *Influence of Contiguity on Priming effects* (supervised by Dr. I. M. Liu).

1998 B.A., Science, Department of Psychology, National Chengchi University, Taipei, Taiwan. Dissertation: Naming Chinese character by a Connection Network (supervised by Dr. N. S. Yen).

Academic Training after Ph. D.

2008.03-2009.02 **Visiting Postdoctoral Researcher**, Department of

Psychology, University of Richmond, USA.
Worked with *Dr. P. Li* on *Computational model of Chinese character recognition*

2007.08-2008.01 **Postdoctoral Research Fellow**, Institute of Cognitive Science, National Cheng Kung University, Taiwan.
Worked with *Dr. J.Y. Chen* on *Psycholinguistic researches cross disciplines*.

2005.11- 2007.07 **Postdoctoral Research Fellow**, Department of Psychology, National Taiwan University, Taiwan.
Worked with *Dr. J.T. Wu* on *Chinese compound word and single character recognition*.

Employment History

2017- present Associate Professor
Department of Human Development, Tzu-Chi University, Taiwan

2009- 2017 Assistant Professor
Department of Human Development, Tzu-Chi University, Taiwan

Professional Memberships

Taiwanese Psychological Association
Cognitive Science Society

Society for the Improvement of Psychological Science

Psychological Science Accelerators

Professional Service

1.Reviewer (journals, conferences, grants, organizations)

Chinese Journal of Psychology; Journal of Cognitive Psychology;
Psihologija; Journal of Pacific Rim Psychology

Cognitive Science Society

Ministry of Science and Technology, Taiwan

Psychological Science Accelerator (PSA)

Collaborative Replications and Education Project (CREP)

Society for the Improvement of Psychological Science (SIPS)

2. Other Professional Activities

2019 - Funder, Manager of “Taiwan Collaboration Framework for Scientific Rsearch”.

2011-2013 Host, Round Table of “Understand and Improve Difficulties of Writing and Reading for the Children in Hualien”, sponsored by Second Northern Taiwan Teaching Resource Center

2007 Secretary, the 12th International Conference on the Processing of East Asia Related Languages (ICPEARL 2007)

2001 Assistance, Symposium on “Chinese Character/Word Processing”, National Chung Cheng University

Grants

1. Research Grants

2020 PI, Ministry of Science and Technology, Taiwan (MOST 107-2420-H-002 -007 -MY3-SB10903; NT\$ 99,728) "Stimuli-response compatibility effects caused by the feeling to imaged actions and objects"

2016-2017 PI, Ministry of Science and Technology, Taiwan (MOST 105-2410-H-320 -001; NT\$ 470,000) "Mental Simulation of Visual and Motor Experiences: Improvements on the Theories and Methods"

2014-2015 PI, Ministry of Science and Technology, Taiwan (MOST 103-2410-H-320 -002; NT\$ 470,000) "Stimuli-response compatibility effects caused by the feeling to imaged actions and objects"

2012-2013 PI, National Science Council, Taiwan (NSC 101-2410-H-320-003; NT\$ 402,000) "Cognitive operation in the lexical processing of Chinese two-character"

2012 PI , National Science Council, Taiwan (NSC 101-2420-H-320 -001; NT\$ 541,000) “Word segmentation and identification in

children with reading difficulties”

2010-2011 PI, National Science Council, Taiwan (NSC 99-2410-H-320-009; NT\$ 736,000) “Pseudo-character reading paradigm”

2009-2010 PI, National Science Council, Taiwan (NSC 98-2410-H-320-009; NT\$ 515,000) “Lexical aspects of Chinese phonetic”

2.Grants for Professional Development

2016 Visiting Researcher granted by Ministry of Science and Technology, Taiwan (MOST 105-2918-I-320-002)
Collaborators: Rolf Zwaan, Bjorn B. de Koning
Location: Department of Psychology, Education & Child Studies, Erasmus University Rotterdam: Rotterdam, NL
Topic: Cognitive Processing of Mental Simulation Effects

2013 PI, Research Center for the Humanities and Social Science, National Science Council, Taiwan (NSC 101-2420-H-002-006-SG10104; NT\$ 162,000) "Research fundemetrals for the development of reading"

2010 – 2011 The Young Scholar Consulting (Mentor: Prof. James, Myers, Institution of Linguistic, National Chung-Cheng Univeristy). Social Science Research Center, National Science Council, Taiwan

2007 The Postdoctoral Research Abroad Program, National Science Council, Taiwan

1998 College Student Research Award, National Science Council, Taiwan

Teaching Experience

1998-2000 Department of Psychology, National Chung Cheng University
Introductory Statistics (Teaching Assistant)

Experimental Design (Teaching Assistant)

2007 Department of Psychology, Asia University

Sensation and Perception

Application of statistical software

2010 Department of Counseling and Clinical Psychology, National Dong Hwa University

Research Method for Social and Behavioral Science

2009 – present Department of Human Development, Tzu Chi University

Introductory Psychology

Experimental Psychology*
Basic Statistics*
Application of statistical software*
Academic English Reading
Psychology of Language
Advanced Cognitive Psychology
Introductory Open Sciences

* My courses start teach transparent and reproducible practices
since 2017.

Research Skills

Experimental design and execution: C, C++, DMDX, Open
Sesame(local), Gorilla(clouded), Psytoolkit(clouded)

Data analysis: SAS, R, Excel, google sheet

Bibliography: Endnote, Mendeley, Zotero

Computational model simulation: Matlab, PDP++

Reproducible Analysis and Summary: Rmarkdown extensions, JASP,
jamovi

Languages

Native or near-native proficiency: Mandarin Chinese; Min Nan

High proficiency: English

Academic Publications

1. Published Articles, Book, and Chapters

Jones, B., DeBruine, L., Flake, J., Aczel, B., Adamkovic, M., Alaei, R., ..., **Chen, S.C.**, ... Chartier, C. R. (2020). To Which World Regions Does the Valence-Dominance Model of Social Perception Apply? *Nature Human Behaviour*, (In-press), (In-press).

Chen, S.-C., de Koning, B. B., & Zwaan, R. A. (2020). Does Object Size Matter With Regard to the Mental Simulation of Object Orientation? *Experimental Psychology*, 67(1), 56–72. doi: 10.1027/1618-3169/a000468

Colling, L., Szucs, D., De Marco, D., Cipora, K., Ulrich, R., Nuerk, H.-C., ..., **Chen, S.C.**, ...McShane, B. (in press) A multilab

preregistered Replication of the attentional SNARC effect.
Advances in Methods and Practices in Psychological Science.

Moshontz, H., Campbell, L., Ebersole, C. R., IJzerman, H., Urry, H. L., Forscher, P. S., ..., **Chen, S.C.**, ... Chartier, C. R. (2018). The Psychological Science Accelerator: Advancing Psychology Through a Distributed Collaborative Network. *Advances in Methods and Practices in Psychological Science*. doi: 10.1177/2515245918797607

Lakens, D., Adolphi, F. G., Albers, C. J., Anvari, F., Apps, M. A. J., Argamon, S. E., ..., **Chen, S.C.**, ... Zwaan, R. A. (2018). Justify your alpha. *Nature Human Behaviour*, 2(3), 168–171. doi: 10.1038/s41562-018-0311-x

陳紹慶 (2017)。本土「權力姿態效應」之研究品質－從文獻探討及資料核實辨識劣質科學。科學與人文研究，5(1)，85-96。doi:10.6535/JSH2017115106

Chen, S.C. (2016). Masked Repetition Effects of Chinese Compound Words. *Journal of Kaohsiung Behavioral Sciences*, 5, 115-138.

Chen, S.C. & Hu, J. F.(2015). Cognitive Aspects of Regularity Exhibit When Neighborhood Disappears. *Journal of Psycholinguistic Research*. 44(6), 803-817. doi: 10.1007/s10936-014-9320-8

Chen, S.C. (2013). Perspectives and Approaches for Psychological Researches of Embodied Cognition. *Chinese Journal of Psychology*, 55, 405-416. doi:10.6129/CJP.20130410a

Chen, S.C. & Lin, M. Y. (2012). Information Pool for Psycholinguistic Experiments: Ideas and Pilot Studies. *Research in Applied Psychology*, 56, 135-163.

Chen, S.C. (2008). Neighborhood Characteristics and Phonetic-sound Correspondence of Chinese Characters. *Chinese Journal of Psychology*, 50, 223-239.

Chen, S.C. (2008). Nature of consistency effect in naming non-phonetic phonograms. *Language and Linguistics*, 9, 161-175.

Liu, I. M., Sue, I. R., **Chen, S.C.**, & Chou, T. H. (2007). Sentence-frame frequency effects. *Language and Cognitive Processes*, 22, 661-688.

Liu, I. M., Wu, J. T., Sue, I. R., & **Chen, S.C.** (2006). Phonological

mediation in visual word recognition in English and Chinese. In P. Li, L. H. Tan, E. Bates, & O. J. L. Tzeng (Eds.), *Handbook of East Asian Psycholinguistics: Chinese* (pp. 218-224). USA: Cambridge University Press.

- Liu, I.M., **Chen, S.C.**, & Sue, I. R. (2003). Regularity and consistency effects in Chinese character naming. *Chinese Journal of Psychology*, 45, 29-46.
- Liu, I. M., Sue, I. R., & **Chen, S.C.** (2001). *The phonetic function of Chinese phonetic radicals*. Kaohsiung, Taiwan: Fu-Weng.
- Chen, S.C.** & Liu, I. M. (2000). Functional orthographic units in Chinese character recognition. *Acta Psychologica Sinica*, 32, 13-20.

2. Papers in Stage 1 Registered Report

- Chen, S.C.**, Szabelska, A., Chartier, C. R., Kekecs, Z., Lynott, D., Bernabeu, P., ... Schmidt, K. (2018). Investigating Object Orientation Effects Across 14 Languages. [Preprint]. doi: 10.31234/osf.io/t2pju
- Hall, B., Wagge, J., Chartier, C. R., Pfuhl, G., Stieger, S., Vergauwe, E., ... **Chen, S.C.**, ... Grahe, J. (2018). Accelerated CREP - RRR: Turri, Buckwalter, & Blouw (2015). [Preprint]. doi: 10.31234/osf.io/zeux9

3. Conference Presentations: Major Contribution

- Chen S. C.** (2020). Investigating Object Orientation Effects Across 14 Languages (PSA 002). Oral presented at Psychological Science Accelerator 2020 Conference. Online Virtual Meeting. Link: <https://videopress.com/v/vTFUzdaP>
- Chen S. C.** & Hu J. F. (2014). Imaged actions and feelings in comprehending sentences generate the advantage of stimulus response compatibility. Poster presented at the 9th Embodied and Situated Language Processing. Lantaren Venster, Rotterdam, Netherlands.
- Chen S. C.** , Hu, J. F., Xu, W. Y., Chen, Y. C., & Huang, Y. C. (2014). Implicit priming paradigm reveals the embodied and situated aspects of imaged feeling. Poster presented at the 36th Annual Meeting of Cognitive Science Society. Quebec City, Canada.

- Chen S. C.** (2013) *Masked Repetition Effects and Partial Repetition Effects of Chinese Compound Words*. Oral presented at the Taiwanese Psychology Association 52th Annual conference. Taipei, Taiwan.
- Chen S. C. & Chen Z. H.** (2013) *Masked Repetition Effects of Chinese Compound Words Interact with Word Frequency because of Properties of Compound*. Poster presented at the 35th Annual Meeting of Cognitive Science Society. Berlin, German.
- Wen Y.S. & **Chen S.C.** (2012) *Orthographical Information may Boost Pseudohomophone Effects in Processing Chinese Compound Words*. Poster presented at the 14th International Conference on the Processing of East Asian Languages & Symposium on Brain and Communication. Nagoya, Japan.
- Chen S.C.** (2012). *Masked Repetition Effect in Reading Chinese Word: Is a Processing of Composition or Decomposition?* Oral presented at the 14th International Conference on the Processing of East Asian Languages & Symposium on Brain and Communication. Nagoya, Japan.
- Chen S.C.** (2012). *Masked Repetition Effects May Tell How Chinese Words Come to My Mind*. Poster presented at the Eighth International Conference on the Mental Lexicon. Montreal, Canada.
- Chen S.C. & Chen, J.Y.** (2012). *Word Segmentation Difficulty in Fourth Graders with Low Reading Achievement*. Poster presented at the 34th Annual Meeting of Cognitive Science Society. Sapporo, Japan.
- Chen S.C.** (2012). *From internal to external cognitive processing*. Oral presented at the 台灣認知心理學的流變. Taipei, Taiwan.
- Chen S.C.** (2011). *Measures of Regularity Effect in Chinese Characters Reading*. Oral presented at the Taiwanese Psychology Association 50th Annual conference. Taichung, Taiwan.
- Chen S.C.** (2011). *Composition Effect: How and Why Characters Compose in Reading Word?* Oral presented at the Taiwanese Psychology Association 50th Annual conference. Taichung, Taiwan.

- Chen S.C., Hu, J. F., & Li, P. (2010)** *A computation model synthesizing the rule based and experience based cognitive processes of Chinese characters*. Poster presented at the 32th Annual Meeting of Cognitive Science Society. Portland, USA.
- Chen S.C. (2009).** *Corresponding Status of Chinese Phonetics Affects Characters Naming*. Poster presented at the 50th Annual Meeting of Psychonomic Society. Boston, USA.
- Chen S.C. (2009).** *Lexical Status and Corresponding Pronunciations of Phonetic Affects Chinese Character Naming Performance*. Poster presented at the 13th International Conference on the Processing East Asian Languages. Beijing, China.
- Chen S.C. (2009).** *Corresponding Pronunciations of Phonetic Affects Chinese Character Naming Performance*. Oral presented at the Taiwanese Psychology Association 48th Annual conference. Taipei, Taiwan.
- Chen S.C., Zhao, X., & Li, P. (2009).** *Effects of Chinese phonetic-to-sound mapping: A Connectionist model*. Poster presented at the 31th Annual Meeting of Cognitive Science Society. Amsterdam, NL.
- Chen S.C. (2008).** *Inside the Regularity Effect of Naming Chinese characters*. Poster presented at the 49th Annual Meeting of Psychonomic Society. Chicago, USA.
- Chen S.C. (2008).** *Interaction of Morphological Advantage and Display Condition Reveals the Early Lexical Processing of Reading Chinese Compound Words*. Oral presented at the sixth Mental Lexical Conference. Banff, Canada.
- Chen S.C. (2007).** *Plausible manners accounted for quantitative and qualitative aspects of orthography to phonology correspondence*. Oral presented at the Taiwanese Psychology Association 46th Annual conference. Tainan, Taiwan.
- Chen S.C. (2007, August).** *Asymmetrical orthography to phonology correspondences cause equivalent correspondence effects - a study case of Chinese character naming*. Poster presented at the 29th Annual Cognitive Science Society. Nashville, TN.

- Chen S.C.** (2006) *Uncertain effects of orthographic overlap in reading Chinese compound words*. Poster presented at the 5th International Conference of the Mental Lexicon.
- Chen S.C.** (2006) *Consistency effect of Chinese high-frequency non-phonetic characters*. Oral presented at the 46th Taiwan Psychological Annual Conference.
- Chen S.C. & Liu, I. M.**, (2005). *Reality of the automatic component in associative/semantic priming*. Oral presented at the 11th International Conference on Processing Chinese and Other East Asian Languages.
- Chen S.C.** (2004). *Influence of Contiguity on the priming effects*. Oral presented at 2004 National Conference on Linguistics.
- Chen, S.C.** (2002). *Morphological processing and semantic processing in reading Chinese compound words*. Oral presented at The Tenth International Conference on Cognitive Processing of Chinese and Other Related Asian Languages.
- Chen, S.C. & Wu, J.T.** (1999). *Questions of the consistency effect in Chinese characters*. Presented at the 38th Chinese Psychological Annual Conference.

4. Conference Presentations: Collaboration

- 徐緯陽 & 陳紹慶 (2013)。想像的重量—初探內隱連結造成的負向賽門效應。第 52 屆台灣心理學年會壁報論文。台北：國立政治大學。
- Wen, Y.S., & **Chen. S.C.** (2012). *Orthographical Information may Boost Pseudohomophone Effects in Processing Chinese Compound Words*. Poster presented at the 14th International Conference on the Processing of East Asian Languages & Symposium on Brain and Communication. Nagoya, Japan.
- Lin, Z.Q., Lin, Y.H., Cheng, Z.Y., Peng, Y.Z., Yang, J.Y., Wang, S.M., **Chen, S.C.** (2010). *False Memory of Qualifiers: Survey in DRM Paradigm*. Poster presented at the 46th Taiwan Psychological Annual Conference.
- Xiao, J.X. & **Chen. S.C.** (2010). *How Simon Effect Change with*

Loading of Working Memory. Poster presented at the 46th Taiwan Psychological Annual Conference.

Cong, Z. N., **Chen S.C.**, & Wu, J.T. (2006) *Orthographic and phonological processing in Chinese character recognition*. Poster presented at the 46th Taiwan Psychological Annual Conference.

Liu, I. M. & **Chen S.C.** (2005). From lexical, semantic, and phonological representation to their activation. Oral presented at the 11th International Conference on Processing Chinese and Other East Asian Languages.

Liu, I. M., & **Chen S.C.** (2002). *A Paradigm for Studying Character-Meaning Frequency Effects*. Oral presented at The Tenth International Conference on Cognitive Processing of Chinese and Other Related Asian Languages.

Liu, I. M., **Chen, S.C.**, & Sue, I. R. (2000). *The character priority effect in identifying characters and embedded characters*. Oral presented at the First Taiwan Conference on Cognitive Science.

Liu, I. M., **Chen, S.C.**, & Sue, I.R. (2000). *Consistency effects in Chinese character naming*. Oral presented at the 39th Chinese Psychological Annual Conference.

Liu, I. M. & **Chen, S.C.** (1999). *Basic units of Chinese character recognition*. Poster presented at The Ninth International Conference on Cognitive Processing of Chinese and Other Related Asian Languages.

5. Public Talks

Talk titled: 'Talk about Replication Crisis in Psychology and Potential Solutions' Invited Talk at National Dong Hwa University (2019, Oct)

Talk titled: 'Quality and Integrity of Science Researches' Invited Talk at National Cheng Kung University, Tainan, Taiwan (2018, Aug)

Talk titled: 'Masked Repetition Effects of Chinese Compound Words Interact with Word Frequency because of Properties of Compounds', Lunch Time Seminar at Tzu-Chi University, Taiwan, Taiwan. (2013, May)

Talk titled: 'Masked Repetition Effects of Chinese Compound Words Interact with Word Frequency because of Properties of Compounds', Friday

Teatime Seminar at National Cheng Kung University, Taiwan. (2013, Apr)
Talk titled: 'Regularity Effect in Chinese Characters Reading', Lunch
Time Seminar at Tzu-Chi University, Taiwan, Taiwan. (2011, Jan)