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Curriculum Vitae: Sau-chin Chen 陳紹慶

Contact and Personal Information:

Birth: August, 27, 1976

Gender: Male

Work: Department of Human Development, Tzu Chi University

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

Tel: 886-3-8572677#3181 (office)

E-mail: csc2009@mail.tcu.edu.tw

Website: www.scchen.com

Academic Specialties

Psychology of Language, Cognitive Processing of Word Recognition, Computational modeling of Language Process

Research Interests

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

Acquisition of reading ability: Cognitive aspects of reading

Computational model of reading behavior (currently focusing on Chinese character recognition)

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

Embodied Cognition (currently focusing on the theoretical implications)

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*

2007.08-2008.11 **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

2009- present Assistant Professor

Department of Human Development, Tzu-Chi University, Taiwan

Professional Memberships

Taiwanese Psychological Association

Cognitive Science Society

Professional Service

1.Reviewer (journals)

Chinese Journal of Psychology; Journal of Cognitive Psychology

2.Reviewer (conferences)

Cognitive Science Society

3. Other Professional Activities

2011-2012 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

- 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

- 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

Research Skills

Experimental design and execution: C, C++, DMDX
Data analysis: SAS, R, Excel
Bibliography: Endnote, Mendeley
Computational model simulation: Matlab, PDP++

Languages

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

Academic Publications

1. Published Articles, Book, and Chapters

- 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 submitted

Chen, S.C. (submitted). Lost Piece of Regularity Effect: How Regularity Modulates Speed and Error Responses in Chinese Character Reading?

Chen, S.C. (submitted). What is the Embodied Cognition Cognitive Psychologists Should Pursue?

3. Conference Presentations: Major Contribution

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

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.