DAVID WIBLE

Graduate Institute of Learning and Instruction,
National Central University
300 Zhongda Rd. Zhongli District, Taoyuan City, Taiwan 32001
Email: wible@stringnet.org

CURRENT POSITION

Distinguished Professor, Graduate Institute of Learning and Instruction,
National Central University. Taiwan, 2007-present

EDUCATION

Ph.D. Linguistics, University of Illinois at Urbana-Champaign (UIUC), 1990
Dissertation: *On the Clausal Structure of Chinese and English*
M.A. Teaching English as a Second Language, UIUC, 1984
B.A. Liberal Arts, Wheaton College, Wheaton, Illinois, 1980

RESEARCH INTERESTS

I am interested in scrutinizing widely held assumptions behind the following questions: What are the meaningful units of language? What is the nature of language users' grasp of them? How do they attain that grasp? How can language teaching align with what we find out about all of this? The class of meaningful units that I focus on specifically are lexico-grammatical constructions that fall outside the scope of dictionaries and grammars. To render these discoverable for learners, I collaborate on designing intelligible, transparent language models that capture these constructions. (e.g., nav4.stringnet.org).

PAST AFFILIATIONS

National Science Council Research Institute for the Humanities and Social Sciences,
National Taiwan University, (Visiting Research Fellow), Oct. 2018 to Feb. 2019;
Oct. 2013 to Feb. 2014
Teachers College, Columbia University, New York (Visiting Scholar), Spring 2014
English Department, Tamkang University, Professor, Spring 2006 to Spring 2007
(Associate Professor, 1996-2005)
Linguistics Department, Stanford University (Visiting Scholar), Palo Alto, CA, USA,
Summer 2005
Institute of Information Science, Academia Sinica (Visiting Researcher), Taipei,
Taiwan, Summers of 2000, 2001, 2004
English Department, Providence University (Associate Professor), Taichung,
Taiwan, Fall 1994 to Spring 1996
English Department and Graduate Linguistics Program, Penn State University
(Instructor), State College, PA, Fall 1991 to Spring 1994
Linguistics Program, University of Florida, (Visiting Assistant Prof), Gainesville,
FL, Fall 1990 to Spring 1991
Department of Foreign Languages & Literature, National Taiwan University, Taipei,
Fall 1987 to Spring 1989 (Instructor), Fall 1989 to Spring 1990 (Assoc. Professor)

ADMINISTRATION

Dean, College of Liberal Arts, National Central University, Zhongli, Taoyuan County, Taiwan, Fall 2010 – Summer 2013.

Director, Language Center, National Central University, Zhongli. Taoyuan County, Taiwan, Fall 2007 – Summer 2010 (Acting Director Fall 2010).

Editorial Board, *Word* (Journal of the International Linguistic Association), 2015-

External Reviewer, National Institute of Education (Office of Education Research), Singapore, Research proposal, 2016

External Evaluator, College of Liberal Arts Evaluation, National Chengchi University, Taiwan 2013

External Reviewer, Wellesley College, Faculty Promotion to Associate Professor, 2011

External Reviewer, Teachers College, Columbia University, Faculty Promotion to Full Professor, 2008.

Reviewer, National Science Council Outstanding Research Award for Linguistics (擔任行政院國家科學委員會語言學學門研究傑出獎 評審委員), 2007

Reviewer, Ministry of Education, Certification Board for Distance Learning in Higher Education, 2007

Academic Consultant for E-Learning, City University of Hong Kong, 2007-2009.

Founding Board Member, Digital Language Learning Association of the ROC, June 2006

Academic Coordinator, English Language Institute, University of Florida, Gainesville, August 1990-July 1991

INTERNATIONAL COLLABORATIONS

Principle Investigator, National Science Council International Collaboration Project on Learner Corpus Analysis, 2013-2016. International collaborators from:
- Linguistics Department, University of Pittsburgh, USA
- Centre for English Corpus Linguistics, Universite catholique de Louvain, Belgium
- Department of Chinese, Translation, and Linguistics, City University of Hong Kong

Invited Partner, European Union, Kaleidoscope, Network of Excellence for E-Learning, *Digital Language Learning: An Integrated Perspective*. Principle Investigator: Sylviane Granger, Director of the Institute of Languages, University of Louvain, Belgium (2006-2007)

Co-convener, International Roundtables on Digital Language Learning.
In collaboration with Teachers College, Columbia University
-First Roundtable, Columbia University, the City of New York, October 2005
-Second Roundtable, Tamkang University, Tamsui, Taiwan, December 2006

Listed Collaborator, University of Toronto, Canada's Social Sciences and Humanities Research Council (SSHRC) grant under Initiative on the New Economy (INE), *Beyond Best Practice: Research-based Innovation in Learning and Knowledge Work*. Principle Investigator: Marlene Scardemalia. 2003-2007.

Principle Investigator, City University of Hong Kong grant for Web-based, University-wide Language Enhancement at City University using IWiLL

PAPERS and PUBLICATIONS

ARTICLES in REFEREED JOURNALS

David Wible and Nai-Lung Tsao (2020). Constructions and the Problem of Discovery: A Case for the Paradigmatic. *Corpus Linguistics & Linguistic Theory,* Vol. 16(1), 67-93.

C.W. Kao and **David Wible** (2014). A Meta-analysis on the Effectiveness of Grammar Correction in Second Language Writing. *English Teaching & Learning*, Vol. 38, pp. 29-69.

B. Reynolds and **David Wible** (2014). Frequency in Incidental Language Acquisition Research: An Undefined Concept and Some Consequences. *TESOL Quarterly* Vol. 48, pp. 843-861.

David Wible, Anne Li-er Liu, and Nai-Lung Tsao (2011) "A Browser-based Approach to Incidental Individualization of Vocabulary Learning," *Journal of Computer-Assisted Learning* Vol.27, 530-543.

Nai-Lung Tsao, Chin-Hwa Kuo, **David Wible**, and Tsung-Fu Huang (2009) "A Syntax-based Retrieval System for Language Learning," *Journal of Educational Technology & Society* Vol 12(1), 73-81.

David Wible, Chin-Hwa Kuo, Meng Chang Chen, Nai-Lung Tsao, and Chong-Fu Hong (2006) "A Ubiquitous Agent for Unrestricted Vocabulary Learning in Noisy Digital Environments," in *Lecture Notes in Computer Science* 4053 pp. 503-512.

David Wible, Chin-Hwa Kuo, Nai-Lung Tsao, Anne Liu, Hsiu-Ling Lin (2003) "Bootstrapping in a Language Learning Environment," *Journal of Computer-Assisted Learning*, vol 19 #1, pp. 90-102.

Chin-Hwa Kuo, **David Wible**, Meng-Chang Chen, Li-Chun Sung, and Chia-Lin Chio (2003) "The Design of a Synchronous Virtual Writing Clinic," *Journal of Information Science and Engineering*, vol 19 #2, pp. 245-265.

David Wible, Chin-Hwa Kuo, Feng-yi Chien, Anne Liu, and Nai-Lung Tsao (2001) "A Web-based EFL Writing Environment: Exploiting Information for Learners, Teachers, and Researchers," *Computers and Education* vol. 37, pp. 297-315.

Chin-Hwa Kuo, **David Wible**, Meng-Chang Chen, Li-Chun Sung, Nai-Lung Tsao, and Chia-Lin Chio (2002) "Design and Implementation of an Intelligent Web-based Interactive Language Learning System," *Journal of Educational Computing Research*, Vol. 27(3), 2002.

David Wible, Chin-Hwa Kuo, Nai-lung Tsao, Anne Liu (2001) "An Online Writing Platform for Language Learners" *Journal of Universal Computer Science.* vol 7, no. 3, pp. 278-89.

Chin-Hwa Kuo, **David Wible**, and Nai-Lung Tsao (2001) "On Designing a Web-based English Writing Environment and Learner Corpus," *IEICE Transactions on Information and Systems*. Vol E84-D.

Chin-Hwa Kuo, **David Wible**, Chia Lin Chio (2001) "A Synchronous EFL Writing Environment for the Internet" *Journal of Universal Computer Science.* vol 7, no. 3, pp. 240-53.

David Wible and Eva Chen (2000) "Linguistic Limits on Metalinguistic Negation: Evidence from Mandarin and English," *Language and Linguistics*, Vol. 2, pp. 233-255.

David Wible (1996) "Generative Linguistics and Wittgenstein Problems with Rules," *Journal of Humanities*, Vol.8, pp.125-139.

BOOKS and CHAPTERS

Ping-Yu Huang, **David Wible** and Hwawei Ko (2012) "Frequency Effects and Transitional Probabilities in L1 and L2 Speakers' Processing of Multiword Expressions," in S. Th. Gries and D. S. Divjak (eds.) *Frequency Effects in Language Learning.* Berlin: Mouton de Gruyter.

David Wible and Nai-Lung Tsao (2011) "Towards a New Generation of Corpus-derived Lexical Resources for Language Learning," in F. Meunier (ed.) *A Taste for Corpora.* pp. 237-255, Amsterdam: John Benjamins.

Anne Li-Er Liu, **David Wible** and Nai-Lung Tsao (2011) "A Corpus-based Approach to Automatic Feedback for Learners' Miscollocations," in A. Frankenberg-Garcia, L. Flowerdew, and G. Aston (eds.) *New Trends in Corpora and Langauge Learning.* pp. 107-120, London: Continuum,.

David Wible (2008) "Multiword Expressions and the Digital Turn," in F. Meunier and S. Granger (eds) *Phraseology in Language Learning and Teaching.* pp. 163–181, Amsterdam: John Benjamins.

David Wible (2005) *Language Learning and Language Technology: Toward Foundations for Interdisciplinary Collaboration.* Taipei: Crane.

David Wible, Feng-yi Chien, Chin-Hwa Kuo, and C.C. Wang (2002) "Toward Automating a Personalized Concordancer for Data-Driven Language Learning," in Bernhard Kettlemann and Gerry Marko (eds.) *Teaching and Learning by Doing Corpus Analysis. Language and Computers: Studies in Practical Linguistics* Series. New York: Rodopi.

David Wible (2001) "SLA Research, Second Language Writing, and Web-based Learning Environments," in H.C. Liu and R.F. Chung (eds.) *Language Research and English Teaching: Challenges and Solutions*, Taipei: Crane, pp. 169-180.

David Wible (1999) "Introduction: Crossings in the Ceramic Art of Ah Leon" in David Wible (ed.) *Beyond Yixing: The Ceramic Art of Ah Leon* Taipei: China Graphics and Purple Sands Publishers.

CONFERENCE PAPERS

David Wible and Hsin-Ying Huang (2020) What does it Take for L2 Learners to Recognize and Comprehend Unknown Lexico-grammatical Constructions in Context? *11th International Conference on Construction Grammar* (*ICCG11*) Antwerp, Belgium. (Postponed to 2021 due to COVID 19.)

Maggie Huang and **David Wible** (2019) Meaning across Modes in University Science Texts: Uncovering a Hidden Challenge to L2 Science Students. *British Association of Applied Linguistics (BAAL) Annual Conference*, Manchester, UK.

Maggie Huang and **David Wible** (2018) Situated Representations in a Lecture-based and a Project-based Course: A Preliminary Comparison (Poster). *European Association for Research on Learning and Instruction (EARLI) SIG 2 Biennial Conference*. Freiburg, Germany.

David Wible and Nai-Lung Tsao (2017) Computational Modeling of Constructions: Surprises it can Reveal about Prototypicality, Idiomaticity, and Acquisition. *Annual Conference of the International Linguistic Association*. City University, Hong Kong.

David Wible and Nai-Lung Tsao (2016) Word Midas powered by StringNet: Discovering Lexicogrammatical Constructions *in Situ*. System Demo, *COLING International Conference on Computational Linguistics*. Tokyo, Japan.

David Wible and Nai-Lung Tsao (2016) Beyond Lists & Listemes: Discovering Patterned Contexts of Words from AWL. *ICAME*. Chinese University, Hong Kong.

David Wible and Nai-Lung Tsao (2015) Construction-specific Lexical Dependencies and Tools for their Discovery. *Technology for Second Language Learning Conference (TSLL)*. Iowa State University, Ames, Iowa.

David Wible and Nai-Lung Tsao (2015) Corpus-derived Tools for Identifying Lexico-grammatical Patterns *In Vivo*. *English Linguistics and Corpora*, Paris

T.C. Yen, and **David Wible** (2014). Detecting Writer Stance in Academic Reading—An Investigation of Reading Comprehension Tests in GRE and TOEFL. *Pan-Pacific Association of Applied Linguistics*, Tokyo, Japan: Waseda University.

C.W. Kao and **David Wible** (2014). An Investigation into the Notion of Error Type in Focused Feedback Effectiveness. Paper presented at The 19th Conference of Pan-Pacific Association of Applied Linguistics, Tokyo, Japan: Waseda University.

Nai-Lung Tsao and **David Wible** (2013) "Word Similarity Using Constructions as Contextual Features," Joint Symposium on Semantic Processing, Trento, Italy.

Ping-Yu Huang, Nai-Lung Tsao, Chien-Ming Chen, **David Wible** (2013) "A Corpus-based Tool for Exploring Domain-specific Collocations in English," PACLIC, Taipei, Taiwan, Nov 21-24, 2013.

David Wible and Nai-Lung Tsao (2013) A Corpus-derived Language Model that Distinguishes Degrees of Lexical Substitutability in Context," Annual Conference of the American Association of Corpus Linguistics, San Diego, CA.

David Wible, Nai-Lung Tsao, Ying-Ying Chien (2012) A Corpus-derived Resource for Investigating the Paradigmatic Dimension of Chinese," International Conference on Chinese Linguistics, Hong Kong Polytech University.

Barry Reynolds and **David Wible** (2012) "Word Form Variation Matters more than Frequency of Exposure in Incidental Vocabulary Acquisition, 45th Annual Meeting of the British Association for Applied Linguistics, Southampton.

Chien-Wen Kao and **David Wible** (2012) "An Investigation into Focused Feedback Effectiveness: Do Error Types Matter?" 45th Annual Meeting of the British Association for Applied Linguistics, Southampton.

Chien-Wen Kao and **David Wible** (2011) "The Distinction between Focused and Unfocused Feedback Matters: A Meta-analysis," The 2011 Second Language Research Forum, Iowa State University, Ames Iowa. October 13-16, 2011.

David Wible and Nai-Lung Tsao (2011) "The StringNet Lexico-grammatical Knowledgebase and its Applications for Lexicography and Language Teaching," Workshop of 2011 Corpus Linguistics Conference, Birmingham, UK.

David Wible and Nai-Lung Tsao (2010) "StringNet as a Resource for the Discovery and Investigation of Linguistic Constructions," North American Association of Computational Linguistics (NAACL 2010), Workshop on Extracting and Using Constructions in Computational Linguistics. Los Angeles, June 6, 2010.

Nai-Lung Tsao and **David Wible** (2009) "A Method for Unsupervised Lexical Error Detection and Correction," North American Association of Computational Linguistics (NAACL 2009) Workshop on Innovative Uses of NLP for Building Educational Applications, Boulder, Colorado, June 5, 2009.

Anne Li-E Liu, **David Wible**, and Nai-Lung Tsao (2009) "Automated Suggestions for Miscollocations," North American Association of Computational Linguistics (NAACL 2009) Workshop on Innovative Uses of NLP for Building Educational Applications, Boulder, Colorado, June 5, 2009.

Nai-Lung Tsao, **David Wible** and Anne Li-E Liu (2009) "A Browser-based Corpus-driven Error Correction Tool for Individualized Second Language Learning," The Fifth Corpus Linguistics Conference, University of Liverpool, UK, July 21-23, 2009.

Anne Li-E Liu, **David Wible**, and Nai-Lung Tsao (2009) "New Corpus Tools for Investigating the Acquisition of Formulaic Chunks in L2," The Fifth Corpus Linguistics Conference, University of Liverpool, UK, July 21-23, 2009.

Ping-Yu Huang, **David Wible** and Hwawei Ko, "Using Eye-Tracking Techniques to Investigate Fundamental Differences in L1 and L2 Processing of Formulaic Sequences," Second Language Processing and Parsing: State of the Science, Texas, May 21-24, 2009.

Ping-Yu Huang and **David Wible**, "Processing and Acquisition of Formulaic Sequences in SLA: An Eye-Movement Experiment," 2009 Conference of American Association for Applied Linguistics, Denver, March 21-24, 2009.

Agnes Kukulska-Hulme and **David Wible**, "Context at the Crossroads of Language Learning and Mobile Learning," 16th International Conference on Computers in Education, Taipei, Taiwan, October 30, 2008.

Anne Li-E Liu, **David Wible** and Nai-Lung Tsao, "A Corpus-based Approach to Automatic Feedback for Learners' Miscollocations," Teaching and Language Corpora, Lisbon, July 8, 2008.

Anne Li-E Liu, **David Wible**, Chin-Hwa Kuo and Tsung-Fu Hung, "Investigating Learners' Awareness of Collocations: Using Novel Technology to Address an Old Question," CALICO '08, San Francisco, March 18-22, 2008.

David Wible, Chin-Hwa Kuo, Meng Chang Chen, Nai-Lung Tsao, and Chong-Fu Hong, "A Ubiquitous Agent for Unrestricted Vocabulary Learning in Noisy Digital Environments," Intelligent Tutoring Systems (ITS) 2006, National Central University, Jhongli, Taiwan, June 26-30, 2006

David Wible, Chin-Hwa Kuo, Meng Chang Chen, Nai-Lung Tsao, Tsung Fu Hung, "A Computational Approach to the Discovery and Representation of Lexical Chunks," TALN 2006, Leuven, Belgium, April 10-13, 2006.

David Wible, Chin-Hwa Kuo, and Nai-Lung Tsao, "Contextualizing Language Learning in the Digital Wild: Tools and a Framework," IEEE International Conference on Advanced Learning Technologies (ICALT), Joensuu, Finland, August 30- September 1, 2004.

David Wible, Chin-Hwa Kuo, and Nai-Lung Tsao, "Towards an Ontology of Digital Learning Events for CALL," EuroCALL 2004, University of Vienna, Austria, September 2, 2004.

David Wible, Chin-Hwa Kuo, and Nai-Lung Tsao, "Improving the Extraction of Collocations with High Frequency Words," *International Conference on Language Resources and Evaluation (LREC)*, Lisbon, Portugual, May 26-28, 2004.

David Wible and Francy Kao, "Bare Singulars and the Syntax and Semantics of Nominal Reference," *Second Language Research Forum (SLRF) 2003*, University of Arizona, October 2003.

Nai-Lung Tsao, **David Wible**, and Chin-Hwa Kuo, "Feature Expansion for Word Sense Disambiguation," *IEEE International Conference on Natural Language Processing and Knowledge Engineering (NLP-KE)*, Beijing, China, October 2003.

David Wible and Ping-Yu Huang "Using Learner Corpora to Examine L2 Acquisition of Tense-Aspect Markings," *Corpus Linguistics 2003*, *Workshop on Learner Corpora*, Lancaster University, UK, March 27-April 1, 2003.

Chiu-Chen Hsieh, Tzong-Han Tsai, **David Wible**, Wen-Lian Hsu. Exploiting Knowledge Representation in an Intelligent Tutoring System for English Lexical Errors. *International Conference on Computers and Education (ICCE)* 2002, Auckland, New Zealand.

Chin-Hwa Kuo, **David Wible**, and Tzu-Chuan Chou, "CanAM – A Web-based Multimedia Authoring and Management Tool for CALL," *IEEE International Conference on Advanced Learning Technologies*, September 9-12, 2002

David Wible, "Toward a Machine-Tractable Representation of Learner English," *2002 Learning Technology Research Forum*, January 2002, Howard Plaza, Taipei.

Chin-Hwa Kuo, **David Wible**, Nai-Lung Tsao, Tzu-Chuan Chou, "Active Writing Through Images: The Designing of a Web-based English Writing Environment," *AACE/WebNet 2001*, Florida USA, October 2001.

David Wible, Chin-Hwa Kuo, Nai-Lung Tsao, Anne Liu, and Irene Lin "On Designing Affordances for Knowledge Bootstrapping into a Language Learning Platform," *International Conference on Computers and Education (ICCE)*, November 2001, Seoul, Korea.

David Wible and Anne Liu "A Syntax-Lexical Semantics Interface Analysis of Collocation Errors," *PacSLRF (Pacific Second Language Research Forum)*, October 2001, University of Hawaii, Manoa, Hawaii.

David Wible, Chin-Hwa Kuo, Nai-lung Tsao, and Feng-yi Chien "Automating Repeated Exposure to Target Vocabulary for Second Language Learners," *IEEE/ International Conference on Advanced Learning Technologies (ICALT)*, August 2001, University of Wisconsin, Madison, Wisconsin.

Chin-Hwa Kuo, **David Wible**, Chih-Chiang Wang, and Feng-yi Chien "The Design of a Lexical Difficulty Filter for Language Learning on the Internet" *IEEE/International Conference on Advanced Learning Technologies (ICALT)*, August 2001, University of Wisconsin, Madison, Wisconsin.

Chin-Hwa Kuo, **David Wible**, Meng-Chang Chen, Li-Chun Sung, Nai-Lung Tsao, Chia-Lin Chio, "Design and Implementation of an Intelligent Web-based Interactive Language Learning System," 2001 IEEE International Conference on Multimedia and Expo (ICME2001), August 25, Tokyo.

David Wible, "Learning from Learners: Alternative Approaches to Learner Corpora," *Global Conference on Chinese Computers and Education/International Conference on Computer Assisted Instruction (GCCCE/ICCAI)*. June 2001, National Central University, Chung-li, Taiwan.

David Wible, "On the Interaction of Argument Selection, Aktionsarten, and Aspectual Morphology," *Proceedings of the Symposium on Selected National Science Council Projects in General Linguistics from 1998-2000*. July 2000, National Taiwan University, Taipei. pp 185-208.

David Wible, Chin-Hwa Kuo, Anne Liu, Nai-lung Tsao "A Web-based EFL Writing Environment: Integrating Information for Learners, Teachers, & Researchers," *International Conference on Computers & Education/ International Conference on Computer-Assisted Instruction*, National Tsing Hua University, Taipei, November 2000. Recipient, **Outstanding Paper Award**.

Chin-Hwa Kuo, **David Wible**, Chia-Lin Chou "The Design of a Synchronous Computer Aided English Writing Environment for the Internet," *International Conference on Computers and Education/International Conference on Computer-Assisted Instruction (ICCE/ICCAI 2000)*, National Tsing Hua University, Taipei, November 2000. Recipient, **Outstanding Paper Award.**

David Wible, Chin-Hwa Kuo, Feng-yi Chien, and Chih-Chiang Wang, "Adjusting Corpus Searches for Learners' Level: Filtering Results for Frequency," *Teaching and Language Corpora (TaLC) 2000*, Graz, Austria, July 2000.

David Wible, Chin-Hwa Kuo, Nai-lung Tsao, Anne Liu, Li-Chun Sung, and Chia-Lin Chio**,** "Putting Learners First: Creating an Integrated Online Learning Environment for EFL Writers," *ICEE2000*, Taipei, August 2000.

Chin-Hwa Kuo, **David Wible**, and Nai-lung Tsao, "Design of a Web-based English Writing Environment and Learner Corpus," *16th IFIP WCC2000-ICEUT*, Beijing, August 2000.

Chin-Hwa Kuo, **David Wible**, Huan-Chao Keh, and Chia-Lin Chio, "Design of a Cyber English Conversation and Writing Clinic," *Proceedings of National Computer Symposium (NCS)*, Vol. 1, pp. 68-74, December 1999.

David Wible and Eva Chen, "Linguistic Limits on Metalinguistic Negation," in *Proceedings of the Sixth International Symposium on Chinese Languages and Linguistics*, Academia Sinica, Taipei, July 1998.

David Wible, "Postverbal Constituents, Tone Sandhi, and the Structure of VP in Taiwanese,″ *Linguistic Society of America Annual Meeting*, Chicago, Illinois, January 1997.

David Wible, "Formalism and Wittgenstein's Infinite Regress," *Conference on Functionalism and Formalism in Linguistics*, University of Wisconsin-Milwaukee, April 1996.

GRANTS (*As Principal Investigator*)

Ministry of Science & Technology (R.O.C.) Research Grants

"Further Investigations into Lexico-grammatical Constructions and the Conditions for their Discovery by Second Language Learners." 2020-2022. #109-2410-H-008 -049

"Lexico-grammatical Constructions and the Conditions for their Discovery by Second Language Learners." 2019-2020. #108-2410-H-008-041

"Modeling Linguistic Constructions: Contextual Correlates of Constructional Meaning." 2018. #107-2410-H-008-046

"Constructions at the Center: Theory and Resources for a Sign-based Approach to Second Language Vocabulary." 2017-2018. #106-2511-S-008 -010

"The Next Generation StringNet Lexico-Grammatical Language Model: Resources for Discovering and Applying Grammatical Construction Knowledge." 2016-2017. #105-2511-S-008-008

Projects on Digital Learning and Technology; International Collaboration in Language Modeling and Learner Language Research, 2013-2016. #102-2511-S-008-006

Projects on Digital Learning and Technology, 2011-2014. #100-2511-S-008-005; "A New Breed of Machine Tractable Language Model for Digital Language Learning."

National Science Council (R.O.C.) Research Grants

National Projects on Digital Learning and Technology (國家型計畫), Grant#NSC100-2631-H-008-005; "Design and Construction of a Chinese Statistical Language Model and its Applications for Digital Content." 2011-2012.

National Projects on Digital Learning and Technology (國家型計畫), Research Grant #NSC99-2631-H-008-004. Enriching Digital Content with Innovation in Language Technology: The StringNet Lexical Knowledgebase." 2010-2011.

National Projects on Digital Learning and Technology (國家型計畫), Research Grant#NSC96-2524-S-008-003 "Ubiquitous Digital Language Learning: Integrating Design and Practice." 2007-2010.

National Projects on Digital Learning and Technology, Grant #NSC93-2524-S-032-004; Grand Project, "Distributed Cognition, Computation, and Foundations for Ubiquitous Networked Language Learning," 2004-2007.

National Projects on Digital Learning and Technology, Grant #NSC93-2524-S-032-005; "Language Acquisition, Distributed Cognition and Interfaces with Learning Technology," 2004-2007.

"Knowledge Forum: A Web-based Cross-Cultural Collaborative Learning Environment," Grant #NSC91-2520-S-032-010; 2002-2003.

"The Design and Construction of a Contrastive English-Chinese Verb Lexicon," Grant #NSC90-2411-H—032-008, 2001-2002.

"An Investigation of Taiwan Learners' English Interlanguage: Toward Linguistic Tools for a Web-based English Learning Environment," Grant #NSC89-2411-H-032-021 2000-2001.

"Verbal Morphology in Taiwanese and the Syntax and Semantics of Lexical Aspect" Grant #NSC88-2411-H-032-008, 1999-2000.

"Taiwanese *khi*: A Case Study in Polysemy and the Interface of Semantics, Syntax, and Morphology" Grant #NSC87-2411-H-032-004, 1998-1999.
"Cognition, Representation, and the Challenge of Polysemy," Grant #NSC86-2411-H-032-003-T, Jan.-July 1998.

Other Grants

Ministry of Economic Affairs (R.O.C.) Grant #98-EC-17-A-29-S2-0014 "Establishing a Center for Innovation in Writing Instruction" June 2009-May 2010.
City University of Hong Kong, Grant for Research on Web-based University-wide Language Enhancement. January 2007-June 2008.
Institute of Information Science, Academia Sinica, Taipei, Taiwan Visiting Scholar Research Grant, Summers 2000, 2001, 2004
Ministry of Education (R.O.C.), Individual project under Grand Project for Excellence in Learning Technology, Grant #89-H-FA07-1-4-2, "University English," 2000-2004.

AWARDS

Outstanding Teacher Award (selected top teacher university-wide), National Central University, 2016-2017.
Plum Blossom Honorary Permanent Resident, Republic of China, 2017- (life-long) for outstanding contributions to society (approx.100 ever conferred as of 2017).
Distinguished Professorship, National Central University, 2007-10; 2010-13; life-long
Light of Tamkang Award for Excellence in Research, Tamkang University, 2001, 2002, 2003, 2004, 2005
Outstanding Article Award, 2001, *Information and Education Journal*, Ministry of Education (R.O.C.), "Applying Multi-Media Technology to Web-based English Learning" (in Chinese; co-authors Chin-Hwa Kuo and Meng Chang Chen)
Outstanding Paper Award, International Conference on Computers and Education (ICCE) 2000, "A Web-based EFL Writing Environment: Integrating Information for Learners, Teachers, and Researchers," (as first author, with co-authors Chin-Hwa Kuo, Anne Liu and Nai-Lung Tsao)
Outstanding Paper Award, International Conference on Computers and Education (ICCE) 2000, "The Design of a Synchronous Computer-Aided English Writing Environment for the Internet," (co-authors Chin-Hwa Kuo and Chia-Lin Chou)
National Science Council (R.O.C.), Research Award, 1987, (乙種獎) Awarded for: 國語的句子主題與把字句型
National Science Council (R.O.C.), Research Award, 1989, (乙種獎) Awarded for: Barriers理論與國語中的ECP現象"
National Science Council (R.O.C.), Research Award, 1999, (甲種獎) Awarded for: "Linguistic Limits on Meta-Linguistic Negation"
National Science Council (R.O.C.), Research Award, 2000, (甲種獎)
Awarded for: "A Web-based EFL Writing Environment: Integrating Information for Learners, Teachers, and Researchers"

SELECTED INVITED TALKS, PLENARIES, KEYNOTE SPEECHES

"On Constructions and Learner-Centered Discovery," Culture University Language Center, Taipei, Taiwan, October 6, 2020.

"Learning Language Fast and Slow: What, When, Why and How," National Chung Cheng University, Taiwan, June 16, 2020.

Keynote address: "Rethinking the Language We Teach: Holism, Computer Models, and the Problem of Parts and Wholes," 21st International Conference on TEFL & Applied Linguistics. March 15, 2018.

"Language as a Web and not a List: The Uncharted Territory between Dictionaries and Grammars," English Colloquium, English Dept, Fujen University, March 2016

"Language Models as if Constructions Matter," Construction Group, Princeton University, Department of Psychology, May 8, 2014

"Language Models as if People Matter," Halliday Centre for Intelligent Applications of Language Studies, City University, Hong Kong, January 13, 2014

"Some Computational Uses for the Notion of Lexico-Grammatical Construction," Institute of Information Science, Academia Sinica, April 9, 2014

"A Next-Generation Language Model and Tools for Learning Words in the Digital Wild," Taiwan Fulbright Alumni Association Workshop on Academic English Writing, May 11, 2013

"Digital Tools for Phraseology," College of Foreign Language and Literature, Beijing Normal University, June 28, 2012

"Where Grammars Leak and Dictionaries Burst: Capturing Multiword Expressions for Language Research and Pedagogy" Linguistics Colloqium, Department of Linguistics, University of Pittsburgh, January 20, 2012

Keynote Address: "Easy Access to the Patterned Behavior of Words," ROCMELIA 2011, Kaohsiung, Taiwan

"The Design and Motivation of the StringNet Lexical Knowledgebase" Berkeley FrameNet Research Group, International Computer Science Institute, Berkeley, CA, July 30, 2010 (at the invitation of Charles Fillmore).

"Individualization and the Challenge of The Long Tail in Language Education," 2009 Plenary Speech. LTTC International Conference on English Language Teaching and Testing, Taipei, Taiwan, March 6-7, 2009

Plenary Address: "Language Learning Ecologies and the Metaphors that Shape our Teaching," 2008 International Conference on English Studies: Literature, Language, Culture and Teaching, Hualian, Taiwan, November 15, 2008

Plenary Address: "IWiLL to UWiLL: Digital Language Learning from Platforms to Platform-Independent Tools," 公部門數位學習發展策略與應用趨勢國際研討會, Taipei, Taiwan, October 6-7, 2008

"Learning Words and Knowing Worlds: A Perspective on Design for Language Education," Graduate Institute of Network Learning Technology, National Central University, Taiwan, May 1, 2008

"The Long Tail and Incidental Individualization in Digital Language Learning Design," Graduate Institute of Learning and Instruction, National Central University, Taiwan, December 13, 2007

"A Relational View of Word Knowledge and Some Implications for Second Language Learning and Teaching," Language Center, National Central University, Taiwan, November 8, 2007

"What is Learning?" Graduate Institute of Learning and Instruction, National Central University, Taiwan, October 25, 2007

"Evolving Approaches to Web-supported Language Learning: From Platforms To Platform-independent Tools," EU Network of Excellence, Experts Workshop on Integrated Digital Language Learning, October 4-5, 2007, Louvain-la-Neuve, Belgium

"Some Reflections on Web Support for School-wide Language Education," October 2, 2007, Institut des Langues Vivantes, Louvain-la-Neuve, Belgium

"Context-Rich Digital Language Learning by Design." Colloquium, City University of Hong Kong, June 26, 2007

"Rule Systems that Leak: Language, Representation, and the Demands of Meaning." Lecture Series, Math Department, National Taiwan Normal University, Taipei, Taiwan, May 2, 2007

"Language Learning Technology: Where are the Key Problems Now?" Graduate Institute of TESOL, National Chiao Tung University, Hsinchu, Taiwan, April 30, 2007

"Teachers Push or Learners Pull: Next Generation Tools and Thinking for Language Learning on Web 2.0," Second International Roundtable on Digital Language Learning, Tamkang University, Taiwan, December 18, 2006

"Language Knowledge as Language Know-How: Some Phenomenology for Designing Language Learning Technologies," Graduate Institute of Network Learning Technology, National Central University, October 26, 2006.

"Toward Digital Learning that Makes Sense: Bridging Tools, Contexts, and People," Department of Chinese, Linguistics, and Translation, City University of Hong Kong, August 3, 2006

"Cognitive and Computational Aspects of Lexical Knowledge Acquisition," Graduate Institute of Linguistics, National Taiwan University, December 5, 2005.

"Ideals of Foreign Language Teaching and Realities of Foreign Language Testing," The First International Conference on Asian Comparative Education, National Taiwan Normal University, November 11, 2005

"Learning Outside the Box: Supporting Language Learning in Noisy Digital Environments," Columbia University Teachers College, New York, NY, *Digital Language Learning Roundtable: Exploring the Interface of Technology, Cognition and Classroom Ecologies*. October 27, 2005

"The Emperor's New Ship Has No Maps: Navigating the Unknown Territory of E-learning in our Schools." Talk to Taipei City senior high principals and administrators, Taipei First Girls Senior High, Taipei, November 18, 2004

"Supporting Human Language Learning in Unrestricted Networked Environments: Some Challenges and Results for Natural Language Processing," Institute of Information Science, Academia Sinica, Taipei, March 25, 2004

"Toward Technology that Serves Learners: The Case of English," Invited Talk, International Competitiveness Conference, Culture University, Taipei, December 5, 2003

"The Comparative Fallacy in Second Language Acquisition," Graduate Institute of Learning and Instruction, National Central University, October 30, 2003

"Content-based Language Teaching," Ministry of Education Project for Raising International Competitiveness, Taipei Medical University, December 2002

"On Language Acquisition, Learnability, and Novel Challenges of Computing Learner Language," Lecture Series, Graduate Institute of Cognitive Science, National Central University, October 2002

"Web-based Learning Environments and Research on Learner English," Center for Language Training and Testing, National Taiwan University, Taipei, Taiwan. September 2002

"Some of the Human Aspects of E-learning and Language Teaching," Center for Language Training and Testing, National Taiwan University, Taipei, Taiwan. August 2002

"Strategies for Successful Communication Across Cultures," Invited Seminar, Graduate Institute of Business Administration, National Chengchi University, Taipei, June 2001

"Learning from Learners: New Approaches to Learner Corpora," Invited talk for panel on University and Adult Web-Assisted Language Education, Global Chinese Conference on Computers and Education (GCCCE), National Central University, Chung-li, Taiwan, June 2001

"A Web-based Platform for High School Writing," Talk sponsored by the Taipei City Education Bureau for the Hong Kong Government Education Department and the Hong Kong Association for Computer Education, Taipei, June 2001

"Web-based Language Learning and the Design Philosophy of IWiLL," Symposium on Web-based Language Learning for the New Millenium, Institute of Information Science, Academia Sinica, Taipei, December 2000

"When Rules and Words Meet Words and Rules: Some Thoughts on Interlanguage and Lexicalization Mismatches," Linguistics Colloquium, Graduate Institute of Linguistics, National Tsing Hua University, November 29, 2000

"The WordNet Lexical Database: Its Structure and Some Applications," Invited talk presented to Natural Language Processing Lab at the Institute of Information Science, Academia Sinica, Nankang, July 2000

"On a Web-based Language Learning Environment: Tools for Learners, Teachers, and Researchers," Institute of Information Science, Academia Sinica, June 2000

"A Multi-media Language Learning Platform for the Internet," Invited talk, National Computer Science Conference, Taipei, November 1999

"Verbal Morphology, Aspect, and Argument Selection in Taiwanese Southern Min," Linguistics Colloquium, Graduate Institute of Linguistics, National Chengchi University, Taipei, March 1999

"Syntactic Consequences of Lexical Aspect in Mandarin and Taiwanese," Linguistics Colloquium, Graduate Institute of English, National Taiwan Normal University, November 1997