

The 7th Conference on Language, Discourse, and Cognition (CLDC 2014)

Conference Program (Tentative)

Conference Dates: May 3rd-May 4th, 2014

Conference Venue: Room 102, Liberal Education Building (or Boyaguan 博雅教學館),
National Taiwan University

May 3rd, Saturday	
8:00-8:30	REGISTRATION
8:30-9:00	OPENING REMARKS
9:00-10:00	<p style="text-align: center;"><u>KEYNOTE SPEECH</u></p> <p style="text-align: center;">Linguistic tools for mind reading in narratives</p> <p style="text-align: center;">Professor Arie Verhagen</p> <p style="text-align: center;"><i>Leiden University Center for Linguistics at Leiden University</i></p>
10:00-10:20	TEA BREAK
General Session I: Cognitive Syntax & Semantics	
10:20-10:45	<p>On Janus-headed intransitivity and the ergativization of the verb: A Cognitive view based on English sound emission verbs</p> <p>Kazuko Inoue</p> <p><i>Hiroshima University</i></p>
10:45-11:10	<p>Valence-reducing phenomena and stance marking in Chinese: On the development of 共 in Classical Chinese and Southern Min</p> <p>Tak-Sum Wong¹, Foong Ha Yap¹ and Weirong Chen²</p> <p><i>The Hong Kong Polytechnic University¹, University of International Business and Economics²</i></p>
11:10-11:35	<p>From repair-initiating to rtance-taking: <i>HaN(h)</i> as a marker of deviation from expectation in Chinese conversation</p> <p>Chester Chen-Yu Hsieh and Lily I-Wen Su</p> <p><i>National Taiwan University</i></p>
11:35-12:00	<p>Interpreting environmentalism: A corpus-based contrastive study of the word green in English and Chinese</p> <p>Lan Li and Meng Ye</p> <p><i>The Hong Kong Polytechnic University</i></p>
12:00-12:25	<p><i>Now</i> and <i>xianzai</i>: a contrastive study of two deictic adverbs</p> <p>Myriam Boulin</p> <p><i>Université Paris Diderot, Paris 7</i></p>
12:25-13:25	LUNCH

Special Session I: Body Experience & Cognitive Linguistics	
13:25-13:50	Embodiment and classifiers in sign language Jane Tsay and James Tai <i>National Chung Cheng University</i>
13:50-14:15	Bodily experiences as both source and target in psychotherapy for posttraumatic stress disorder Dennis Tay <i>The Hong Kong Polytechnic University</i>
14:15-14:40	Verifying cognitive loading differences owing to syntax-semantic differences in mathematics word problems Chih-Chien Yang¹, Kristina Reiss² and Fou-Lai Lin³ <i>National Taichung University¹, Technische Universität München², National Taiwan Normal University³</i>
14:40-15:05	When frequent senses are not activated: Processing of metaphorical polysemy using a cross-modal lexical priming task Yuchun Chang¹, Chien-Jer Charles Lin² and Kathleen Ahrens³ <i>Ludwig-Maximilians-Universität München¹, Indiana University², Hong Kong Baptist University³</i>
15:05-15:30	Native and non-native interpretations of a co-verbal facial gesture in Japanese conversation: An experimental study Enid Lee <i>Okinawa International University</i>
15:30-16:30	POSTER SESSION (General Session: 16 presenters) & TEA BREAK

General Session II: Discourse, Communication, and Culture	
16:30-16:55	<p>Mental space theory and counterfactuality: A cognitive analysis of Chinese <i>yaoshi</i> and <i>yaobushi</i> in spoken and written discourse</p> <p>Hsun-Ming Hsu <i>Chung-san Senior High School</i></p>
16:55-17:20	<p>Interpreting scenes from Russian political cartoons: Focal points in multimodal messages</p> <p>Ludmilla A'Beckett <i>Monash University</i></p>
17:20-17:45	<p>'Semantic-pragmatic deficit' or pure 'pragmatic deficit'? Insight from online processing in individuals with Asperger Syndrome</p> <p>Jimbo Lin <i>National Cheng Kung University</i></p>
17:45-18:10	<p>Constructing an alignment: Corpus-based analysis of cross-cultural communication</p> <p>Yoshihito Izawa <i>Keio University</i></p>
18:30-21:00	<p>BANQUET @ Howard International House</p>

May 4th, Sunday

8:30-9:00	REGISTRATION
9:00-10:00	<p style="text-align: center;"><u>KEYNOTE SPEECH</u></p> <p style="text-align: center;">Neural mechanisms of embodied sentence comprehension: Concrete/abstract understanding, perspective shift, and hierarchical processing</p> <p style="text-align: center;">Professor Toshio Inui (乾敏郎教授) <i>Department of Intelligence Science and Technology Graduate School of Informatics at Kyoto University</i></p>
10:00-10:20	TEA BREAK
Special Session II: Body Experience & Language Processing	
10:20-10:45	<p>The influence of syntactic category and semantic constraints on lexical ambiguity resolution: An eye-movement study of processing Chinese homographs</p> <p>Po-Heng Chen and Jie-Li Tsai <i>National Chengchi University</i></p>
10:45-11:10	<p>Processing Chinese relative clauses in L2 speakers: Evidence from eye-movement</p> <p>Chun-Yi Peng, Ming-Da Wu, Wei-Chun Lin, Jih-Ho Cha, Jung-Yueh Tu and Yao-Ting Sung <i>National Taiwan Normal University</i></p>
11:10-11:35	<p>Metaphorically acting: Body experience in processing action-related sentences</p> <p>Shu-Ping Gong and Cheng-Tien Tsai <i>National Chiayi University</i></p>
11:35-12:00	<p>Embracing the literal meanings – An ERP study on predicate metaphor comprehension</p> <p>Zih-Yu Shen and Chia-Lin Lee <i>National Taiwan University</i></p>
12:00-13:00	LUNCH

Special Session III: Lexical & Sentence Processing	
13:00-13:25	<p>The role of discourse function in experimental study of aspect acquisition</p> <p>Hintat Cheung <i>The Hong Kong Institute of Education</i></p>
13:25-13:50	<p>The acquisition of universal quantifiers in Indonesian: A preliminary report</p> <p>Nyoman Aryawibawa <i>Universitas Udayana</i></p>
13:50-14:15	<p>To look for the bi-directional resonance between phonology and orthography for character recognition through a normative dataset of 3423 Chinese phonograms</p> <p>Chia-Ying Lee and Chun-Hsien Hsu <i>Academia Sinica</i></p>
14:15-14:40	<p>Imaging unconscious semantic processing of crowded words</p> <p>Su-Ling Yeh, Tai-Li Chou, Shu-Hui Lee, Yun-An Huang, Sheng He and Shuo-Heng Li <i>National Taiwan University</i></p>
14:40-15:05	<p>Unexpected ending in sentence processing: An ERP study</p> <p>Chia-Hsuan Liao and Shiao-Hui Chan <i>National Taiwan Normal University</i></p>
15:05-16:05	<p>POSTER SESSION (Special Session: 14 presenters) & TEA BREAK</p>
16:05-17:05	<p><u>KEYNOTE SPEECH</u></p> <p>Understanding and imagining: Language comprehension within and across the cerebral hemispheres</p> <p>Professor Kara Federmeier <i>Department of Psychology at the University of Illinois at Urbana-Champaign</i></p>
17:05-17:15	<p>CLOSING REMARKS</p>

Linguistic tools for mind reading in narratives

Arie Verhagen

Leiden University Center for Linguistics at Leiden University

Narratives often involve complex relationships between what characters think about the knowledge and feelings of others, including their assumptions about other characters' viewpoints, and are thus regularly adduced as evidence for the specific human capacity of 'multiple-order intentionality' (Dennett 1987, Zunshine 2006, Dunbar 2008, Corballis 2011). Evolutionary Psychologists (cf. Barkow et al. 1992) postulate one or several, less or more domain-specific, adaptations in the big and powerful human brain as directly responsible for this ability, as well as for its apparent limitations (a maximum level of five or six orders of embedding of mind-states).

However, a plausible alternative explanation is that languages provide tools (i.e. culturally evolved ones) by means of which 'mind reading', including elaborate cases, can be performed (cf. Dancygier 2012). Firstly, I will critically examine, from a (cross)linguistic perspective, different narrative representations of complex viewpoint relations (such as Direct, Indirect and Free Indirect Discourse), concluding that these can at best only be construed in language-specific ways. Secondly, in a case study of reports on the shooting of by the South-African athlete Pistorius, I will show how complex viewpoint configurations can be introduced into a narrative holistically (without the complexity being constructed). Through these, it seems that mind reading may, in specific cases, attain arbitrarily many levels.

References

- Corballis, M.C. (2011). *The Recursive Mind. The Origins of Human Language, Thought, and Civilization*. Princeton: Princeton UP.
- Barkow, J.H., L. Cosmides, & J. Tooby (ed.). (1992). *The Adapted Mind: Evolutionary Psychology and the Generation of Culture*. Oxford/New York: Oxford UP.
- Dancygier, B. (2012). *The Language of Stories. A Cognitive Approach*. New York: Cambridge UP.
- Dennett, D. C. (1987). *The Intentional Stance*. Cambridge MA: MIT Press.
- Dunbar, R.I.M. (2008). 'Mind the Gap or Why Human Aren't Just Great Apes'. In: *Proceedings of the British Academy* 154: 403-23.
- Kinderman, P., R.I.M. Dunbar & R.P. Bentall (1998). 'Theory-of-mind deficits and causal attributions'. *British Journal of Psychology* 89: 191-204.
- Zunshine, L. (2006). *Why We Read Fiction. Theory of Mind and the Novel*. New York.

**Neural mechanisms of embodied sentence comprehension:
Concrete/abstract understanding, perspective shift, and hierarchical processing**

Toshio Inui

*Department of Intelligence Science and Technology Graduate School of Informatics at
Kyoto University*

Syntactic comprehension operates at the fundamental level of sentence processing. In 2010, I proposed the hypothesis of the brain mechanism of thematic role assignment and the semantic unification of a simple sentence by neural synchronization. I therefore argued that the agent and the patient of an action are respectively represented in the parietal and temporal cortex and that these representations are sent to the human mirror neuron system to bind them to the action representation. For online sentence processing, this long-range binding should be carried out within a short time. I will introduce our recent work examining our hypothesis that such a binding mechanism is implemented through neuronal synchronization by employing EEG recording. Following this, the discussion will address the brain mechanism of outlining the meaning of a sentence. In the discussion, I will introduce the mathematical proof that there are only 18 kinds of interaction under certain conditions. Finally, I will introduce my hypothesis about the “language function” of BA9, which is involved in the executive function, components of which are shifting, updating, and inhibition in the general domain: the left BA9 is involved in perspective shifts in sentence comprehension while the right BA9 is involved in a shift of the grammatical subject, that is, a hierarchical shift in complex sentence comprehension.

**Understanding and Imagining:
Language comprehension within and across the cerebral hemispheres**

Kara Federmeier

Department of Psychology at the University of Illinois at Urbana-Champaign

Human beings live in a world that is infused with meaning. Our everyday experience involves interactions with a wide variety of complex, often ambiguous perceptual stimuli—including written and spoken words, objects, and faces—which we seem to be able to immediately and effortlessly link with a rich array of knowledge that constitutes the “meaning” of these inputs. In my talk, I will overview ongoing research in my laboratory that examines the cognitive and neural dynamics that make such rapid comprehension possible. In particular, we take advantage of the temporal and functional specificity of event-related brain potentials to track the dynamics of processing across multiple language levels and thereby explicate the mechanisms at work during word recognition, ambiguity resolution, sentence processing, semantic revision, structure building, and learning. We have hypothesized that a neural network with efficacious top-down connections, which has roots in left hemisphere brain areas critical for language production, allows for rapid meaning selection and the effective use of context information. In parallel, a right-hemisphere-biased network processes in a feedforward fashion, leading to more veridical representations of verbal stimuli that can aid imagery and allow flexible integration and revision. We also study how these multiple mechanisms and the dynamics of their interactions differ across individuals and change with age and task demands.

Poster Session (May 3rd, 2014): General Session (16 presenters)

Paper	Author(s)
A cognitive sociolinguistic study of trademark infringement in Taiwan	Pei-Chi Yang and Victoria Rau <i>National Chung Cheng University</i>
The importance of orthographic-motor integration skills and transcription skills in written composition development among Chinese children in elementary grades	Pui-Sze Yeung ¹ , Connie Suk-Han Ho ¹ , David Wai-Ock Chan ² and Kevin Kien Hoa Chung ³ <i>The University of Hong Kong¹, The Chinese University of Hong Kong², The Hong Kong Institute of Education³</i>
Gender, family values, and politics: Examples from Taiwanese political rhetoric	Jennifer Meei Yau Wei <i>Soochow University</i>
Um...who like uses filler words? Filler word use as a function of age, gender, and personality	Yi-Tai Seih <i>The University of Texas at Austin</i>
Asymmetry in the acquisition of subject and object relative clauses in Turkish	Talat Bulut ¹ , Huseyin Uysal ² and Denise Hsien Wu ¹ <i>National Central University¹, Hasan Kalyoncu University²</i>
A synergic analysis of English and Chinese resultatives	Ling He <i>University of Shanghai for Science and Technology</i>
Tone-of-voice and vocal gesture	Mark Campana <i>Kobe City University of Foreign Studies</i>
A corpus-based study of face: Returning to linguistic forms	Siaw-Fong Chung <i>National Chengchi University</i>
Towards a subject-oriented account of the “NP V LEI LE NP” resultative construction	Wei Wei <i>Fudan University</i>
A study of evidentiality in Cebuano	Michael Tanangkingsing <i>National Taipei University of Technology</i>
Demonstratives as a discourse connective device: A case study on Saisiyat ‘isa:a’	Marie Yeh <i>National Hsinchu University of Education</i>
Unconscious grouping of Chinese words: Evidence from object-based attention	Su-Ling Yeh <i>National Taiwan University</i>
Exploring the ideational potential of corporate discourse in Japanese and English: a comparative linguistic perspective	Sonya Chik <i>The Hong Kong Polytechnic University</i>
Effects of morphological complexity in early and late activities in the left temporal cortex in reading Chinese disyllabic words	Chun-Hsien Hsu and Chia-Ying Lee <i>Academia Sinica</i>

Ritual refusals: Speech acts in Mandarin Chinese	Tina Wu <i>Central Connecticut State University</i>
Use of parallel texts as a new methodology in cognitive poetics: The case of demonstrative pronouns	Louis Wei-lun Lu ¹ and Arie Verhagen ² <i>Masaryk University¹, Leiden University²</i>

Poster Session (May 4th, 2014): Special Session (14 presenters)

Paper	Author(s)
Communication of headings by text-to-speech software	Hung-Tao Chen and Robert Lorch <i>University of Kentucky</i>
The ideological impact on Morsi's speech before the 67 th UNGA: A CDA account	Kamel A. Elsaadany <i>Gulf University for Science and Technology</i>
"Can you hear my syllables?" The correlation of Mandarin corner vowels /i, a, u/ with tones in Taiwanese hearing-impaired children	Hong-You Wang <i>National Cheng Kung University</i>
A study of language attrition of Taiwanese elderly adults	Lin-Ju Kuo and Pei-Fen Du <i>National Chung Cheng University</i>
How an emotional and sensory experience is coded? Analysis on the meaning of the verbs of emotion and sensation	Carine Kawakami <i>Kyoto University</i>
Study of the lateralization of color category effect	Rui Feng <i>East China Normal University</i>
A cognitive analysis of epistemic processes of "wonder"	Wataru Kono <i>Kyoto University</i>
Semantic links in Japanese V-V compound verbs: Frame semantics and embodied cognition	Yi-Ting Chen <i>Kobe University</i>
On Chinese "V bu C" as a construction based on experiences of blockage schema	Satoko Imaizumi <i>Hokkaido University</i>
Language uses of the particular and general modeled by static and dynamic event	Tuyuan Cheng <i>National Tainan Junior College of Nursing</i>
Age-related differences in processing Chinese pronouns – An ERP study	Chia-Ho Lai and Chia-Lin Lee <i>National Taiwan University</i>
The prosodic profiles of repair in Mandarin classroom lectures as monologues	Helen Kai-Yun Chen <i>Academia Sinica</i>
Modality effects in narratives: Showing episodic structure in Taiwan Sign Language	Shiou-Fen Su <i>Ming Dao University</i>
The HUMAN BODY metaphor in discourse on political entities in Taiwan	Ren-Feng Duann <i>National Taiwan University</i>