

Language and Logic

NEWSLETTER No. 2

January 31th 2006

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1. Members

Our project members consist of 38 scholars whose expertise includes, but not limited to, linguistics, logic, and philosophy. Each member is listed alphabetically with his or her affiliation and specialization.

A. Project Leader:

Yukinori Takubo	Kyoto University	Linguistics
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B. Internal Members:

Yasuo Deguchi	Kyoto University	Philosophy
Szymon Grzelak	Kyoto University	Linguistics
Shoji Hirata	Kyoto University	Chinese Linguistics
Yoko Iyeiri	Kyoto University	English Linguistics
Shigeki Kaji	Kyoto University	Linguistics
Yuko Kizu	Kyoto University	Chinese Linguistics
Masahiko Mizutani	Kyoto University	Ethics

Kayo Nagai	Kyoto University	Linguistics
Masashi Nakahata	Kyoto University	History of Western Philosophy
Makoto Ohura	Kyoto University	Linguistics
Akihiro Sato	Kyoto University	Slavic Linguistics
Hiroko Sawada	Kyoto University	Japanese Linguistics
Satoko Shirai	Kyoto University	Linguistics

C. External Members:

Teruhiko Fukaya	Gunma Prefectural Women's University	Linguistics
Naoki Fukui	Sophia University	Linguistics
Kazuhiko Fukushima	Kansai Gaidai University	Linguistics
Takao Gunji	Kobe Shoin Women's University	Linguistics
Naomi Harada	ATR	Linguistics
Koiti Hasida	AIST	Information Science
J.-R. Hayashishita	University of Otago	Linguistics
Hajime Hoji	University of Southern California	Linguistics
Yasuo Ishii	Kanda University of International Studies	Linguistics
Shoichi Iwasaki	University of California, Los Angeles	Linguistics
Kiyoko Kataoka	Nihon University	Linguistics
Stefan Kaufmann	Northwestern University	Linguistics
Shinjiro Kazama	Tokyo University of Foreign Studies	Linguistics
Tomoyuki Kubo	Kyushu University	Linguistics
Takeo Kurafuji	University of the Ryukyus	Linguistics
Hiroyuki Maeda	Nara University of Education	Linguistics
Michinao F. Matsui	Kobe Shoin Women's University	Linguistics and Psychology
Hiroshi Mito	Osaka University	Linguistics
Tsuyoshi Ono	University of Alberta	Linguistics
Shigeru Sakahara	The University of Tokyo	Linguistics
Laurence Schourup	Osaka Women's University	Linguistics
Atsushi Shimojima	JAIST	Logic
Yasuhiro Shirai	Cornell University and Chinese University of Hong Kong	Linguistics
Ayumi Ueyama	Kyushu University	Linguistics

2. Project Theme

Language in its overt manifestation is nothing but recursive combinations of linguistic units with form and meaning. The hierarchical structures so formed, however, can serve as means of highly complex human communication and form the basis of intricate logical inferences. We know that all these are made possible by the constraints on mapping that exist between the linguistic structures on the one hand and the thought and the inference processes that enter into communication on the other.

In their basic architecture, languages must basically be the same, as suggested among others from the fact that children can learn any language(s) if exposed early enough. The rules of inference must also be similar across languages, given the basic cognitive endowment shared by human beings. Although we know languages differ in overt components such as vocabulary, morphology, and word order, we are not yet sure whether there are language variations in covert component in language, such as semantics or inference patterns.

It seems clear, on the other hand, that languages differ in their mapping between inference patterns and particular constructions. Since the assumptions and the background knowledge used in our inference may differ from culture to culture, forms of default reasoning may differ, affecting forms used in the linguistic expressions of reasoning. For example, in Japanese, necessary condition is expressed by the contraposition of reverse, i.e. 'if not p, not q', while in Korean forms corresponding to 'only if' are preferred, which eliminate premises other than the sufficient condition expressed. Both forms, however, equally function as adding a necessary condition to the sufficient condition contextually assumed to hold, thereby serving as asserting a necessary and sufficient condition. Another example of the differences in the logic-language mapping has to do with granularity; e.g., in English deontic and epistemic modality are not distinguished overtly, whereas in Japanese the distinction is systematically made.

The general aim of our research group is to investigate possible variations in the mapping between logical inferences and linguistic structures. To this end, the following studies will be conducted.

- (1) Formal study of language design with an emphasis on the study of semantic/syntax interface serving as the basis of (2).
- (2) Study in the possible variations of linguistic expressions involving logical inference.
- (3) Descriptive study of constructions in various languages, which relate to logical inferences and serve as the empirical basis for (1).

3. Activities (December 2004 through January 2006)

Since the commencement of this research project on August 2004, we have held three kinds of activities. First, we have gathered weekly for an informal discussion where an ongoing research is presented and reviewed. Second, to accommodate the presentations of researchers with a concrete result, we have organized two workshops. Finally, we have invited scholars whose research interests fall into our project theme, and organized colloquiums. We have thirty to fifty participants per colloquium or workshop. The results of the workshop on *Phylogeny and Ontogeny of Written Language* will be published in English in 2007. We also have organized an international symposium on January 21st-23rd, 2005. We have invited four keynote speakers from the United States, Netherlands, and Ireland. We had approximately one hundred participants. We have been allowed the guest editorship in a special issue of *Journal of Semantics* (<http://jos.oxfordjournals.org/>), where a selection of the papers will appear. In addition to these, we had a series of lectures on Modal Logic given by Prof. Stefan Kaufmann in August 2005. The following are the details of the presentations. Please visit our website (<http://www.hmn.bun.kyoto-u.ac.jp/langlogic/>) for abstracts of the presentations.

Weekly Discussion

Location: Prof. Yukinori Takubo's office (occasionally changed)

FALL 2004

- 12/03/2004 Ai Kawazoe (National Institute of Informatics)
“Sentence Structure and Semantic Composition in Japanese”
- 12/10/2004 Tamayo Mukaiyama (Kyoto University)
“The Treatment of Temporality in Dowty 1979 and in Verkuyl 1993: Toward the Formal Semantics of Tense and Aspect”
- 12/17/2004 Priya Ananth (Ohio State University)
“Acquisition of Tense-Aspect Morphology in *toki* 'when' clauses in Japanese”

SPRING 2005

- 4/15/2005 Marie-Claude Paris (Université Paris 7)
“Aspectual Marking and Durational Complements in Mandarin Chinese”
- 4/22/2005 Kanae Mori (Kyoto University)
“Various Interpretations of Indefinites”
- 5/13/2005 Tamayo Mukaiyama (Kyoto University)
“An Extension of the PTQ's Framework--- Tense-Aspect Semantics in a Formal Language ---”
- 5/20/2005 Naomi Harada (ATR)
“Non-Syntactic Aspects of Nominative-Genitive Conversion”
- 5/27/2005 Yurie Hara (University of Delaware)

- 6/3/2005 “Semantics of Darou: Likelihood and Quantification over Reasoning”
 Minori Kurahashi (Kyoto University)
- 6/17/2005 “Semantic Incorporation and Focus in Japanese”
 Takao Gunji (Kobe Shoin Women's University)
- 6/24/2005 “Measurement and Quantification Revisited”
 Setsuko Arita (Osaka Shoin Women's University)
- 7/1/2005 “Some Distributional Characteristics of *DOOSE* (‘in any case’) and *ISSO* (‘rather’) in Japanese
 Yukinori Takubo (Kyoto University)
- 7/8/2005 “Two Types of Modal Auxiliaries in Japanese: Two Directionalities in Reasoning”
 Tomohide Kinuhata (Osaka University)
- “Syntactic Change from Connective to Focus Particles in Japanese”
- FALL 2005*
- 9/22/2005 J. -R. Hayashishita (University of Otago)
 “On Japanese Comparatives”
- 10/14/2005 Szymon Grzelak (Kyoto University)
 “Polar Opposition in Japanese Measure Phrases”
- 10/21/2005 Mariko Otsuka (Kyoto University)
 “About Causal Reading of Clausal Coordinate Conjunctive ‘-shi’ in Japanese”
- 10/28/2005 Kayo Nagai (Kyoto University)
 “Passive Construction in St. Lawrence Island Yupik”
- 11/4/2005 Sanae Tamura (Kyoto University)
 “(Non-)compositionality of Japanese Conjunctions *sosite/sorede/dakara*”
- 11/11/2005 Apasara Wungpradit (Kyoto University)
 “Basic Properties and Pragmatical Meanings of Sentence Final Expression ‘~*janai(ka)*’: Based on Discourse Management Theory”
- 12/2/2005 Eric S. McCready (Osaka University)
 “Adjectives and Prototypicality”
- 12/9/2005 Naomi Harada (ATR)
 “Two-Goal Datives”
- 12/16/2005 Makoto Ohura (Kyoto University)
 “‘Kotoga aru’ Construction and ‘*teiru*’ Form in Japanese”

Workshop on Japanese / Korean Linguistics

Date: February 21st-22nd, 2005

Location: Kyoto Univ. Bungakubu Shinkan Lecture Room 6

(This workshop is co-sponsored by Japan Society for the Promotion of Science, Grant-in-Aid for Scientific Research (A)(1): The Logic of Everyday Inference and Its Linguistic Forms: With Special Reference to Quantificational Expressions, Conditionals, and Modal Expressions (Project Leader Takao Gunji)).

February 21st

1. Heejeong Ko (MIT)
“Possessor Raising, Quantification, and Linear Order in Korean”
2. James Yoon (University of Illinois)
“Raising and Major Arguments”
3. Yukinori Takubo (Kyoto University)
“An Overt Marker for Individual Sublimation in Japanese”
4. Hajime Hoji (USC)
“A Major Object Analysis of the so-called Raising-to-Object Construction in Japanese (and Korean)”

February 22nd

1. Jae-il Yeom (Hongik University)
“The Semantics of '-ketun' in Korean”
2. Naomi Harada (ATR)
“Raising-to-Object: From a Different Plane”
3. Peter Sells (Stanford University)
“Negation Scope and Negative-Sensitive Forms in Korean”
4. Chungmin Lee (Seoul National University)
“Concessivity, Scalarity, Conditionality and Polarity---with reference to Contrastive Topic/Focus”

Linguistic Workshop: Phylogeny and Ontogeny of Written Language

Date: August 17th -19th, 2005

Location: Kyoto Univ. Bungakubu Conference Room.

This workshop is co-sponsored by JSPS Grant-in-Aid for Scientific Research (B): The Theoretical and Empirical Study of the Interaction between Language Use and Grammatical Rules, Project No.: 16320053, Head Investigator, Yukinori Takubo (Graduate School of Letters, Kyoto University)

August 17th

1. Yukinori Takubo (Kyoto University)
“On defining properties of the spoken and the written language”

2. Shoichi Iwasaki (UCLA)
“Multiple-grammar hypothesis: A case study of Japanese passive constructions”
3. Tsuyoshi Ono (University of Alberta)
“Postpredicate Elements in Japanese Conversation: Toward an Understanding of Grammar of Spoken Japanese”
4. Yuriko Sunakawa (University of Tsukuba)
“The focus-presentational function and salience-presentational function of Japanese cleft constructions”

August 18th

1. Yasuhiro Shirai (Cornell University and Chinese University of Hong Kong)
“Authentic discourse: What's in it to be learned?”
2. Yoshiko Matsumoto (Stanford University)
“Ontogeny of an addressee honorific”
3. Shigeko Okamoto (California State University, Fresno)
“Variation in the Use of Regional and Standard Japanese”
4. Setsuko Arita (Osaka Shoin Women's University)
“On the discourse function of sentence initial *wa*”

August 19th

1. Toshiyuki Sadanobu (Kobe University) and Hiroko Sawada (Kyoto University)
“Expressiveness-deficiency disease of speech”
2. Katsumi Shibuya (Osaka University)
“Aspects of written language in the second half of the Edo period”
3. Satoshi Kinsui (Osaka University)
“The origin of the constraint on case particles in the Standard Japanese”

Colloquiums

Date: December 8th 2004, 3pm-6pm

Location: Kyoto Univ. Bungakubu Shinkan B1 Meeting Room

Gilles Fauconnier (University of California, San Diego)

“Conditionals and integration networks”

Date: December 17th 2004, 3pm-6pm

Location: Kyoto Univ. Bungakubu Shinkan Lecture Room 4

1. Shoichi Iwasaki (University of California, Los Angeles)
“Internal-state Expressions in Thai (and Japanese)”

2. Yasuhiro Shirai (Cornell University)
“The Semantic Basis of Grammatical Development: Modularity, Innateness, and the Theory of Grammar”

Date: April 20th 2005, 4pm-5:30pm

Location: Kyoto Univ. Bungakubu Shinkan B1 Meeting Room

Marie-Claude Paris (Université Paris 7)

“Coordination is not comitativity. A study of gen in Mandarin Chinese”

Date: October 29th 2005, 1:30pm-6:10pm

Location: Kyoto Univ. Bungakubu Shinkan Lecture Room 6

1. Shinjiro Kazama (Tokyo University of Foreign Studies)
“Some grammatical problems of Udihe language”
2. Tomoyuki Kubo (Kyushu University)
“The phonology and morphology of Sibe—The differences from Manchu—”
3. Teruhiro Hayata (Daito Bunka University)
“The features [human] and [animate] in Manchu”

Date: December 11th 2005, 10:30am-5:30pm

Location: Kyoto Univ. Bungakubu Shinkan Lecture Room 1

PART I

1. Shigeyuki Kuroda (UCSD)
“Typological Characteristics of Modern and Old Japanese”

PART II

1. Keiko Murasugi (Nanzan University)
“The acquisition of complex predicates: How and why are they acquired late?”
2. Yasuhiro Ichida (National Rehabilitation Center for Persons with Disabilities)
“Head movement and head position in Japanese Sign Language”
3. Susan Fischer (Rochester Institute of Technology)
“Cross-linguistic studies of sign languages: Emphasis on Asia”

International Symposium

Language under Uncertainty: Modals, Evidentials, and Conditionals

Date: January 21st-23rd, 2005

Location: Kyodai Kaikan, Room 101 (January 21st), Kyoto University Clock Tower Centennial Hall (January 22nd and 23rd)

January 21st

Session 1

(Chair: Takao Gunji, Kobe Shoin Women's University)

1. Yurie Hara (University of Delaware)
"Evidentiality of Discourse Items and Because-clauses"
2. Shoji Takata & Eri Tanaka (Osaka University)
"The semantics of modality marker -ke in Japanese in terms of the Discourse Management Theory: a comparative study of Standard Japanese and Tohoku dialect"

Session 2

(Chair: Yasuo Deguchi, Kyoto University)

1. Norihiko Ogata (Osaka University)
"A Multi-Modal Dynamic Predicate Logic of the Japanese Evidentials"
2. Jose Camacho (Rutgers University)
"The Syntactic Structure of Evidentiality in Shipibo"

Invited Talk 1

(Chair: Takeo Kurafuji, University of the Ryukyus)

James Higginbotham (University of Southern California)

"Modality Wide and Narrow"

January 22nd

Session 3

(Chair: Kazuhiko Fukushima, Kansai Gaidai University)

1. Ana Arregui (University of Ottawa)
"When modals meet: backtracking counterfactuals"
2. James Isaacs & Kyle Rawlins, (UC Santa Cruz)
"Conditional Questions"

Invited Talk 2

(Chair: Stefan Kaufmann, Northwestern University)

Cleo Condoravdi (PARC and Stanford University)

"Why Free Choice Items are modal (when they are)"

Invited Talk 3

(Chair: Ikumi Imani, Nagoya Gakuin University)

Tim Fernando (Trinity College, Dublin)

"What is an inertia world?"

January 23rd 2005

Session 4

(Chair: Hiroshi Mito, Osaka University)

1. Setsuko Arita (Osaka Shoin Women's University)
“Settledness, speaker's knowledge and Japanese conditionals”
2. Toshiyuki Ogihara (University of Washington)
“Japanese Counterfactual Conditionals and Presuppositionality”

Session 5

(Chair: Toshiyuki Ogihara, University of Washington)

1. Bridget Copley (University of Southern California)
“What Should *Should* Mean?”
2. Christopher Tancredi (The University of Tokyo)
“Scoping Over Epistemics”

Invited Talk 4

(Chair: Cleo Condoravdi, Stanford University)

Frank Veltman (University of Amsterdam)

“*Dealing with different moods*”

Lectures on Modal Logic

Date: August 25th, 26th, and 28th, 2005

Location: Kyoto Univ. Bungakubu Shinkan Lecture Room 1

Lecturer: Stefan Kaufmann (Northwestern University)

Please visit the website below for the details.

<http://ling.northwestern.edu/~kaufmann/Classes/Kyoto2005/schedule.html>

4. Presentations and Lectures given by Members

The following lectures and presentations have been given by the members and graduate students who are involved with this project.

Lectures

Yukinori Takubo

“*Counterparts in Time: The Case of Japanese ‘Imagoro’*”

Reischauer Institute, Harvard University. May 6, 2005

“*The Semantics and Syntax of Japanese Demonstratives: An Overview of Past Research*”

Reischauer Institute, Harvard University. May 5, 2005

“*The Syntax and Semantics of Demonstratives in Japanese*”
Cornell University Linguistics Department. April 29, 2005.

“*An Overt Marker for Individual Sublimation: The Case of 'N-no koto' in Japanese*”
Cornell University Linguistics Department. April 28 2005.

(The travel expense for these lectures was partly supported by COE.)

Presentations

- *Yoshihiko Asao “Semantic Constraints on Japanese V-V Compounds,” the 130th meeting of the Linguistic Society of Japan. International Christian University. June 12, 2005
- *Elena Viktorovna Evseeva “‘Long-distance’ dependency of Negative Polarity items and Genitive of Negation in Russian object-control constructions (an analysis based on clause-mergeability and the Aspect Harmony Principle),” the 130th Meeting of the Linguistic Society of Japan. International Christian University. June 12, 2005.
- “Aspectual choice in nonfinite complement clause of a PE (posterior-event)-type in Russian (in connection with negation),” the 55th Annual Assembly of Japanese Association of Russian Scholars (JARS: Nihon Roshia Bungakukai). Waseda University. October 8, 2005.
- **Szymon Grzelak “Polar opposition in Japanese measure phrases,” the 80th Annual Meeting of the Linguistic Society of America, Albuquerque, NM. January 6, 2006
- “Vague numerical quantification in Japanese and Polish,” the 11th International Conference of the European Association for Japanese Studies. University of Vienna, Austria. September 2, 2005.
- *Takuya Kawada “On the function of the Japanese discourse marker ‘maa’” Fifth International Conference on Practical Linguistics of Japanese (ICPLJ5). March 4-5, 2006.
- Minori Kurahashi “Semantic Incorporation and Focus in Japanese,” the 30th Annual Meeting of Kansai Linguistic Society, June 5, 2005.
- *Tamami Shimada “Contact-induced Features in Hiberno-English: ‘Non-cleft’ Analysis of the ‘tis ~ it is ... Construction.” Conference Creole Language Structure between substrates and superstrates, Leipzig, June 3-5, 2005.
- Sanae Tamura “(Non-)compositionality of Japanese conjunctions: *Sosite, sorede, dakara*” the 131th meeting of the Linguistic Society of Japan. Hiroshima University. November 20, 2005.
- “Anaphoric relation and Japanese conjunctions,” 「照応の可能性と接続詞の機能—ソシテ・ソレデ・ダカラを中心に—」 Fifth International Conference on Practical Linguistics of Japanese (ICPLJ5). March 4-5, 2006.

*Apasara Wungpradit “Basic Properties and Pragmatical Meanings of Sentence Final Expression ‘~*janai(ka)*’: Based on Discourse Management Theory,” Fifth International Conference on Practical Linguistics of Japanese (ICPLJ5). March 4-5, 2006.

* The travel expense for the presentation was or will be supported by COE36.

** The travel expense for the presentation will be supported by COE.

5. Future Activities (from January 2006)

In the future, we continue to hold weekly discussion, workshops, and colloquiums. In addition, we will organize *Japanese/Korean Linguistic Conference* in October 2006. As of now, the following activities have been scheduled from January 2006.

Workshop on Semantics

Date: March 12th, 2006.

Location: Bungakugu Conference Room

Invited Speakers

Romero, Maria-Isabel (University of Pennsylvania)

Zuber, Richard (Université Paris 7)

Kim, Min Joo (Texas Tech University)

Tomioaka, Satoshi (University of Delaware)

Higginbotham, James (University of Southern California)

Weekly Discussion

Date: Fridays, weekly

Location: Prof. Yukinori Takubo's office

Two Series of Lectures on Semantics

Details have not yet been decided.

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