



DiSS-LPSS Joint Workshop 2010

The 5th Workshop on Disfluency in Spontaneous Speech

The 2nd International Symposium on Linguistic Patterns in Spontaneous Speech

University of Tokyo, Japan, September 25-26, 2010

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DiSS-LPSS Joint Workshop 2010

DiSS-LPSS Joint Workshop 2010, a satellite meeting of INTERSPEECH 2010 will be held in Tokyo, Japan, on September 25-26, 2010.

DiSS is a series of interdisciplinary workshops ([Berkeley, 1999](#); [Edinburgh, 2001](#); [Goteborg, 2003](#); [Aix-en-Provence, 2005](#)), which have been addressing disfluency --- stalls, hesitations, and self-repairs --- in normal spontaneous speech from a wide range of disciplines, from automatic speech recognition to linguistic analysis and psycholinguistics.

LPSS, another interdisciplinary workshop on spontaneous speech, took place in Taiwan in 2006, focusing on a broader range of phenomena in spontaneous speech including automatic speech recognition, prosody, spoken dialogues, and disfluency.

Now, it is an opportunity for both organizations to meet.

In cooperation with:



ISCA



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DiSS-LPSS Joint Workshop 2010 Organizing Committees
Contact address: diss-lpss2010-info@cogsci.l.chiba-u.ac.jp

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Call for Papers

We are pleased to announce DiSS-LPSS Joint Workshop 2010, a satellite meeting of INTERSPEECH 2010, to be held in Tokyo, Japan, on September 25-26, 2010. DiSS-LPSS Joint Workshop 2010, a satellite meeting of INTERSPEECH 2010 will be held in Tokyo, Japan, on September 25-26, 2010. DiSS is a series of interdisciplinary workshops (Berkeley, 1999; Edinburgh, 2001; Goteborg, 2003; Aix-en-Provence, 2005), which have been addressing disfluency --- stalls, hesitations, and self-repairs --- in normal spontaneous speech from a wide range of disciplines, from automatic speech recognition to linguistic analysis and psycholinguistics. LPSS, another interdisciplinary workshop on spontaneous speech, took place in Taiwan in 2006, focusing on a broader range of phenomena in spontaneous speech including automatic speech recognition, prosody, spoken dialogues, and disfluency. Now, it is an opportunity for both organizations to meet.

Workshop Topics

We invite you to submit original papers in any related area, including but not limited to:

- Characteristics of disfluency in spontaneous speech
- Human production and perception of speech errors, repairs and hesitations
- Neurocognitive correlates of speech disfluency
- Comparison of normal disfluencies with those occurring in communication disorders
- Prosody in spontaneous speech
- Linguistic analyses on spontaneous speech
- Automatic speech recognition of spontaneous speech
- Understanding spontaneous speech in dialogue systems
- Corpora of spontaneous speech
- Automatic or manual annotation of spontaneous speech data
- Comparison of spontaneous speech and read speech

Paper Submission

We would welcome submission of 4-page papers for oral and poster presentations by ~~May 31~~ June 10, 2010, for review. In addition to 4-page regular papers, we would also welcome submission of 2-page short papers, which will be considered for poster presentations only. All accepted papers will be published in CD-ROM and printed proceedings.

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Paper submission

All submissions should follow the following instructions.

General information

The DiSS-LPSS Program Committee invites authors to submit papers which report on original research in areas relevant to workshop topics. Papers should be written clearly and concisely, and should be transparently accessible to researchers from the widely varied fields represented at the workshop (e.g., linguistics, psychology, computer science).

Papers will be considered for the following types of presentations: *oral* or *poster*. When submitting your paper, please indicate whether you wish your paper to be considered for an oral presentation, a poster presentation, or either (i.e., no preference). Please note, though, that the final decision of whether to accept a paper for oral or poster presentation will be made by the program committee.

Papers must be submitted by e-mail (see instructions below) by May 31st, 2010. Papers will then be peer-reviewed and authors will be notified of their acceptance status by July 15, 2010.

Paper templates

All submissions must follow the style guide (adapted slightly from the INTERSPEECH 2010 style guide). Authors should download the [DiSS-LPSS 2010 author kit](#) and use their preferred template (Word, OpenOffice, or Latex) to create their papers.

Number of pages

Papers for oral presentations must be 4 pages in length. Papers for poster presentations may be either 4 or 2 pages in length. Two-page papers will automatically be considered only for poster presentations.

Paper format

As noted in the author kit, all submissions must be in PDF format.

Deadline

Papers should be sent as file attachments to the following address by ~~Monday, May 31st, 2010~~ **Thursday, June 10th, 2010**.

diss-lpss2010-submissions@cogsci.l.chiba-u.ac.jp

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Committees

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Local Organizers

- Michiko Watanabe (University of Tokyo)
- Ralph Rose (Waseda University)

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Conference Program

The venue for the workshop events is The University of Tokyo – Hongo campus, in Building 2 of the Engineering School (EEIC), unless otherwise noted below.

Registration desk opens at 9 AM on 25th [Room 33A].

Saturday, September 25th, 2010

10:00 **Welcome [Room 43A]**

10:10 **Oral Session 1: Speech style [Room 43A]**

LUCID: A Corpus of Spontaneous and Read Clear Speech in British English

Rachel Baker and Valerie Hazan

Does Reading Clearly Produce the Same Acoustic-phonetic Modifications as Spontaneous Speech in a Clear Speaking Style?

Valerie Hazan and Rachel Baker

Assessing Sentence Repetition and Narrative Speech Data Produced by Hearing-impaired and Normally Hearing Children

Shu-Chuan Tseng, Pei-Chen Tsou, Ko Kuei, and Chien-Wen Lee

Fluency in Non-native Read and Spontaneous Speech

Catia Cucchiarini, Joost van Doremalen, and Helmer Strik

11:50 **Lunch**

12:50 **Invited talk: Shigeaki Amano [Room 43A]**

Infant Speech Database for Longitudinal Analysis of Spoken Language Development

Shigeaki Amano

14:10 **Coffee break**

14:25 **Oral Session 2: Filled pauses and other types of disfluency [Room 43A]**

Periodic Cycles of Hesitation Phenomena in Spontaneous Speech

Sandra Merlo and Plínio A. Barbosa

The Effect of Directed and Open Disambiguation Prompts in Authentic Call Center Data on the Frequency and Distribution of Filled Pauses and Possible Implications for Filled Pause Hypotheses and Data Collection Methodology

Robert Eklund

On the Characteristics of Three Types of Japanese Fillers: e-, ma-, and Demonstrative-type Fillers

Takuya Kawada

Utterance-Initial Elements in Japanese: A Comparison among Fillers, Conjunctions, and Topic Phrases

Michiko Watanabe and Yasuharu Den

16:05 **Short break**

16:10 **Oral Session 3: Phonological and phonetic aspects [Room 43A]**

Investigating the COG Ratio as Feature for Speaker Verification on High-effort Speech

Corinna Harwardt

Contextual Effects in Recognizing Reduced Words in Spontaneous Speech

Shu-Chuan Tseng and Tzu-Lun Lee

Phonological Competition in Casual Speech

Anne Cutler, Holger Mitterer, Susanne Brouwer, and Annelie Tuinman

Final Lowering and Boundary Pitch Movements in Spontaneous Japanese

Kikuo Maekawa

18:30 **Workshop Dinner [Abreuvoir (Yayoi campus)]**

Sunday, September 26th, 2010

10:00 **Oral Session 4: Dialog and interaction [Room 43A]**

An Annotation Scheme for Syntactic Unit in Japanese Dialog

Takehiko Maruyama, Katsuya Takanashi, and Nao Yoshida

Towards a Precise Model of Turn-taking for Conversation: A Quantitative Analysis of Overlapped Utterances

Hanae Koiso and Yasuharu Den

Salientizing the Breaks in Talk: A Study of Japanese Segmentizing

Emi Morita

Prosodic Cues to Engagement in Non-lexical Response Tokens in Swedish

Joakim Gustafson and Daniel Neiberg

11:40 **Lunch**

12:40 **Invited talk: Dale Barr [Room 43A]**

Disfluency as Metacommunication

Dale Barr

14:00 **Coffee break**

14:15 **Poster Session: Various aspects of spontaneous speech [Room 33A]**

A Socio-phonetic Analysis of Taiwan Mandarin Interview Speech

Shu-Chuan Tseng and Yun-Ru Huang

Gesture Correction in Children

Kazuki Sekine

Meaning and Use: A Pragmatic and Prosodic Analysis of Interjections in Conversational Speech

Li-chiung Yang

Euh as Cue for Speaker Confidence and Word Searching in Human Spoken Answers in French

Anne Garcia-Fernandez, Ioana Vasilescu, and Sophie Rosset

Modeling Conversational Interaction using Coupled Markov Chains

Daniel Neiberg and Joakim Gustafson

Voice Activity Detection based on Combination of Weighted Sub-band Features using Auto-Correlation Function

Kun-Ching Wang, Chiun-Li Chin, and Yi-Hsing Tsai

"Um...I don't see any": The Function of Filled Pauses and Repairs

Hannele Nicholson, Kathleen Eberhard, and Matthias Scheutz

Pitch Patterns in the Vocalization of a 3-month-old Taiwanese Infant

Pei-Yu Hsieh

Analysis of Prosodic Features for End-of-utterance Prediction in Spontaneous Japanese

Yuichi Ishimoto and Mika Enomoto

Hesitations in Read vs. Spontaneous French in a Multi-genre Corpus

Jean-Philippe Goldman, Mathieu Avanzi, and Antoine Auchlin

Hesitation and Uncertainty as Feedback

Kristiina Jokinen

15:55 **Short break**

16:00 **Oral Session 5: Disfluency and dialog [Room 43A]**

Autism and the Use of Fillers: Differences between 'um' and 'uh'

Rebecca Lunsford, Peter A. Heeman, Lois Black, and Jan van Santen

On the Functions of the Vocalic Hesitation euh in Interactive Man-machine Question Answering Dialogs in French

Ioana Vasilescu, Sophie Rosset, and Martine Adda-Decker

Disfluency Patterns in Dialogue Processing

Etsuko Yoshida and Robin Lickley

The Influence of Articulation Rate, and the Disfluency of Others, on One's Own Speech

Ian R. Finlayson, Robin J. Lickley, and Martin Corley

17:40 **Closing remarks [Room 43A]**

Invited Speakers

- [Shigeaki Amano](#) (Faculty of Human Informatics, Aichi Shukutoku University)
- [Dale Barr](#) (Department of Psychology, University of Glasgow)

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