

Adventures in Speech Science

July 22, Tue. - July 23, Wed., 2014

Sanjo Kaikan, Hongo Campus, Univ. Tokyo (<http://sanjo.nc.u-tokyo.ac.jp/>)

Organizing Committee of Adventures in Speech Science and Phonetic Society of Japan

日本音声学会では国際情報発信力強化の一環として7月22日、23日に渡って国際セミナー

「Adventures in Speech Science」を東京大学山上会館で共催いたします。参加を希望される方は、ご氏名、ご所属、連絡先を明記して imagawa@m.u-tokyo.ac.jp 宛てに7月12日までに申し込みください。会議参加費1万円(22・23日東京大学山上会館)、バンケット参加費8,000円(22日夕方、於医学部教育研究棟13階、カポペリカーノ)です。会議のみ参加、会議・バンケット両方参加、バンケットのみ参加、のいずれかもお知らせ願います。なお、各参加費は当日の会場受付にてお支払いください。いずれも会場が満席になり次第、受付を締切りますので予めご了解ください。

July 22, Tue. 2014

Opening 13:00–13:10

Acoustic phonetics 13:10–14:50 Chair: Shinji Maeda and Ken-Ichi Sakakibara

13:10-13:30 Hironori Takemoto (NICT)

Acoustic characteristics of the hypopharyngeal cavities

13:30-13:50 Takayuki Arai (Sophia Univ.)

Speech analysis using physical models of the human vocal tract

13:50-14:10 Hideki Kawahara (Wakayama Univ.)

In search for aperiodicity in speech sounds: signal processing perspective

14:10-14:30 Shinji Maeda (Telecom Paris Tech), Kiyoshi Honda (Tianjin Univ.), Hyunsoon Kim (Hongik Univ.), Jacqueline Vaissière (Univ. Paris III)

New developments in photoglottography and pneumotachograph: Revising instrumental approaches in speech production studies at early RILP

14:30-14:50 Ken-Ichi Sakakibara (Health Sci. Univ. Hokkaido), Hiroshi Imagawa (Univ. Tokyo), Isao T. Tokuda (Ritsumeikan Univ.), David Sommer (Waterloo Univ.), Niro Tayama (Nat'l Center for Global Health and Med.)

Stereo-endoscopic high-speed imaging

Break 14:50-15:10

Articulatory phonetics 15:10–16:30 Chair: John Ohala and Jacqueline Vaissière

15:10-15:30 John Ohala (UCB)

Evidence from sound change for the many-to-one relation between speech articulation and speech acoustics

15:30-15:50 Satoshi Imaizumi (Prefectural Univ. of Hiroshima)

Neural representation of words: Phonetic, orthographic, syntactic and semantic characteristics

15:50-16:10 Reiner Wilhelms-Tricarico

Why more than enough parameters to draw an elephant isn't entirely hopeless

16:10-16:30 Pascal Perrier (GIPSA)

“GEPPETO”: A target base model of speech production including optimal planning and physical modeling

Break 16:30-16:50

Special lecture 16:50–17:30 Chair: Kikuo Maekawa

16:50-17:00 Kikuo Maekawa (NINJAL)

Introduction: A bibliography of Prof. Osamu Fujimura

17:00-17:30 Kiyoshi Honda (Tianjin Univ.)

Prof. Fujimura's work on speech production: Personal acquaintance with the extraterrestrial genius

Break 17:30-18:30

Banquet 18:30– At Capo PELLICANO in the Hongo campus, Univ. Tokyo

July 23, Wed.

Various approaches to phonetics 10:00–12:10 Chair: Satoshi Imaizumi and Kiyoshi Honda

10:00-10:20 Toshiyuki Sadanobu (Kobe Univ.)

Unit of Japanese speech (tentative)

10:20-10:40 Chao-Min Wu (National Central Univ.)

Study of neural correlates of Mandarin vowel production with neural network model

10:40-11:00 Margarita Mazo (Ohio State Univ.)

The heart of lament: Cognitive cultural factors and physiological responses to vocal expression of grief

Break 11:00-11:10

11:10-11:30 Mark Hasegawa-Johnson (Univ. Illinois)

The simultaneous pursuit of speech and speech technology by way of data

11:30-11:50 Richard Sproat (Google)

Wolfgang von Kempelen's contributions to articulatory phonetics

11:50-12:10 Jacqueline Vaissière (Univ. Paris III)

X-ray microbeam system, influence of word stress and boundaries on velum behavior, and different speaker strategies: early work done at Bell Labs with Osamu Fujimura

Lunch break 12:10-14:30 (Please gather for the photo of attendees before lunch)

C/D model 14:30–15:50 Chair: Donna Erickson and Caroline Menezes

14:30-14:50 Michinao Matsui (Osaka Health Univ.)

VOT and the C/D model

14:50-15:10 Caroline Menezes (Univ. Toledo)

Changes in phrasing and syllable magnitudes in dialogues

15:10-15:30 Donna Erickson (Sophia Univ., Kanazawa Med. Univ.) , Sungbok Lee (USC), Jangwon Kim (USC), Shigeto Kawahara (Keio Univ.), Caroline Menezes (Univ. Toledo), Jeff Moore (Sophia Univ.)

Metrical structure and the C/D model

15:30-15:50 Sungbok Lee (USC), Jangwon Kim (USC), and Donna Erickson (Sophia Univ., Kanazawa Med. Univ.), Shrikanth S. Narayanan (USC)

A study of invariant properties and variation patterns in the Converter/Distributor model for emotional speech

Break 15:50-16:00

Final remarks 16:00–16:30

16:00-16:30 Osamu Fujimura and others

Organizing Committee

General chair Kikuo Mekawa (NINJAL), Donna Erickson, Kiyoshi Honda (Tenjin Univ.)

Hiroshi Imagawa (Univ. Tokyo), Satoshi Imaizumi (Pref. Univ. Hiroshima)

Caroline Menezes (Toledo Univ.), Nobuaki Minematsu (Univ. Tokyo)

John Ohala (UCB), Ken-Ichi Sakakibara (Health Sci. Univ. Hokkaido)

Phonetic Society of Japan

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