

ACTIVITIES on JAPANESE PROSODIC CORPUS

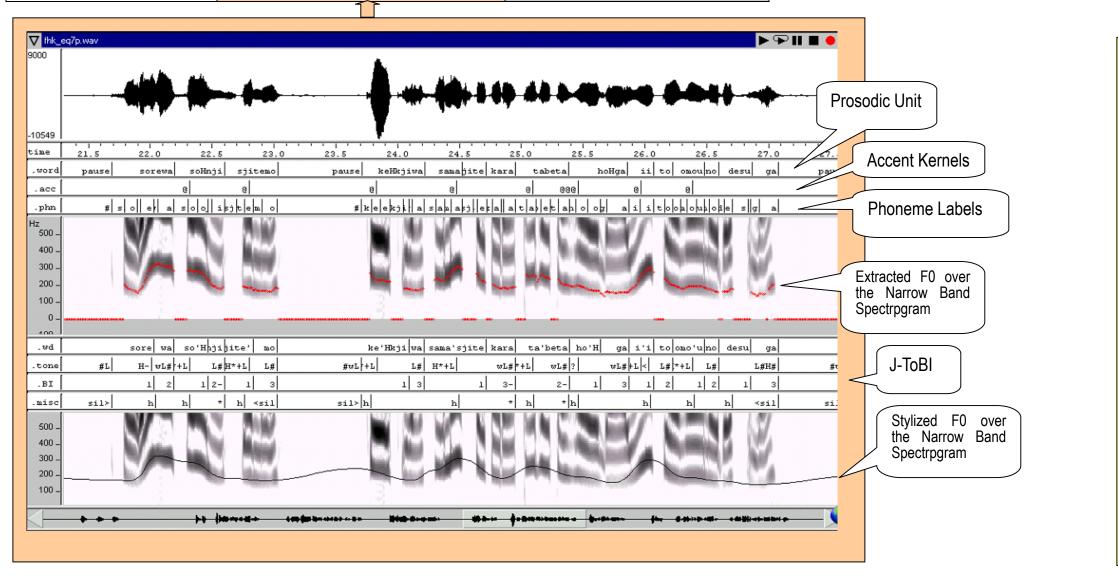
Shigeyoshi Kitazawa, Shizuoka University, Hamamatsu, Japan (kitazawa@cs.inf.shizuoka.ac.jp)

Scientific Research of Priority Areas "The Realization of Advanced Spoken Language Information Processing from Prosodic Features" Professor Keikichi Hirose, Department of Frontier Informatics, School of Frontier Sciences, The University of Tokyo. Teams and subjects: Administration group (Keikichi Hirose, The University of Tokyo) Analysis of prosody its formalization and modeling (Hiroya Fujisaki, Tokyo Science University) Variability of Prosody and its Quantitative Expression (Masuzo YANAGIDA, Doshisha University) Design of prosodic corpora and automation of the developing process (Shigeyoshi Kitazawa, Shizuoka University) Prosody control for high-quality speech synthesis (Keikichi Hirose, The University of Tokyo) Use of prosodic information in speech recognition and understanding (Kazuhiko Ozeki, Elelctro Communication University of Tokyo) Discourse system with enhanced prosody control (Tetsunori Kobayashi, Waseda University) Applications of Prosody Processing Technology to the Field of Medicine and Welfare (Hideki Kasuya, Utsunomiya University)

MULTEXT: Parallel Corpus

Japanese Prosodic Corpuses

Japanese-MULTEXT Prosodic Corpus	MULTEXT Prosodic database		Priority Are	a ASJ Guide-task	Multimodal	Map Task	Weather
Tokyo dialect	French, English, Italian, German,		Project		Dialogue		Forecast
	Spanish	Speaking style	Played	Read speech	Debate task	Natural	Read speech
3 hours and 37 minutes	4 hours and 20 minutes		dialogue			dialogue	
3 male and 3 female	50 (5 male and 5 female per lang.)	Speakers	83	18 male, 18	12 male, 12	16 males	2 male, 2
Translated EUROM1 Passage	EUROM1 Passage			female	female		female
Yes	Yes	Duration	6400	10 hours	360 minutes	68 minutes	1027
No	50,000 pitch movements		sentences				sentences
Given	Given	Annotation	Sentence,	Sentence,	Words, gaze,	J-ToBI	Sentence
Yes	No		pause, J-ToBl	pause, J-ToBI	nod, J-ToBl		J-ToBI
Yes	Yes	Dialogues	64	202	72	8	
J-ToBI	No	FO	Min. Max.	Min. Max.	No	Yes	Yes
No	Yes	Phoneme	Yes	Yes	Yes	Yes	Yes
Yes	No	Contact	S. Itahashi	S.Itahashi	Y. Horiuchi	Y. Horiuchi	K. Hirose
Yes	No						
	Tokyo dialect3 hours and 37 minutes3 male and 3 femaleTranslated EUROM1 PassageYesNoGivenYesYesJ-ToBlNoYesYes	Tokyo dialectFrench, English, Italian, German, Spanish3 hours and 37 minutes4 hours and 20 minutes3 male and 3 female50 (5 male and 5 female per lang.)Translated EUROM1 PassageEUROM1 PassageYesYesNo50,000 pitch movementsGivenGivenYesNoYesYesJ-ToBINoNoYesYesNoYesNoNoYesNoNoNoNoNoNoNoNoNoNoNoNoNoNoNoYesNoNoNoYesYesNoNoYesYesNoNoYesYesNoYesNoYesNoYesNoYesNoYesNo	Tokyo dialectFrench, English, Italian, German, SpanishSpeaking style3 hours and 37 minutes4 hours and 20 minutesSpeaking style3 male and 3 female50 (5 male and 5 female per lang.)Speakers3 male and 3 female50 (5 male and 5 female per lang.)SpeakersYesYesUurationNo50,000 pitch movementsAnnotationGivenGivenDialoguesYesYesDialoguesJ-ToBlNoYesPhonemeYesNoYesContact	Tokyo dialectFrench, English, Italian, German, SpanishProject3 hours and 37 minutes4 hours and 20 minutesSpeaking stylePlayed dialogue3 male and 3 female50 (5 male and 5 female per lang.)Speakers83Translated EUROM1 PassageEUROM1 PassageDuration6400 sentencesYesYesSo,000 pitch movementsDuration6400 sentencesGivenGivenSentence, pause, J-ToBIPause, J-ToBINoYesDialogues64YesNoF0Min. Max.PhonemeYesContactS. Itahashi	Tokyo dialectFrench, English, Italian, German, SpanishProject3 hours and 37 minutes4 hours and 20 minutes3 male and 3 female50 (5 male and 5 female per lang.)Translated EUROM1 PassageEUROM1 PassageYesYesGivenGivenYesNoYesYesJ-ToBlNoNoYesJ-ToBlNoNoYesYesYesJ-ToBlNoNoYesYesYesJ-ToBlNoNoYesYesYesJ-ToBlNoNoYesYesYesJ-ToBlNoNoYesYesYesJ-ToBlNoNoYesYesNoYesNoYesNoYesNoYesNoYesNoYesNoYesNoYesNoYesNoYesNoYesYesYesNoYesYesYesNoYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYes <td< td=""><td>Tokyo dialectFrench, English, Italian, German, SpanishProjectDialogue3 hours and 37 minutes4 hours and 20 minutes3 male and 3 female50 (5 male and 5 female per lang.)Translated EUROM1 PassageEUROM1 PassageYesYesSoloop pitch movementsGivenGivenGivenYesYesYesYesJ-ToBINoNoYesJ-ToBINoNoYesYesYesJ-ToBINoNoYesYesYesJ-ToBINoNoYesYesNoNoYesYesYesJ-ToBINoNoYesYesNoNoYesYesNoNoYesYesNoNoYesYesNoYesNoYesNoYesNoYesNoYesYesYesNoYesYesYesYesYesNoYesYesYesNoYesYesYesNoYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYes<td< td=""><td>Tokyo dialect SpanishFrench, English, Italian, German, SpanishProjectDialogueDialogueItaliang3 hours and 37 minutes4 hours and 20 minutes3 male and 3 female50 (5 male and 5 female per lang.)Translated EUROM1 PassageEUROM1 PassageYesYesGivenGivenYesNoYesYesJ.ToBlNoNoYesJ.ToBlNoNoYesYesYesJ.ToBlNoNoYesYesYesJ.ToBlNoNoYesYesYesJ.ToBlNoNoYesYesYesYesNoYesYesNoYesYesNoNoYesYesNoNoYesYesNoNoYesYesNoYesNoYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesY</td></td<></td></td<>	Tokyo dialectFrench, English, Italian, German, SpanishProjectDialogue3 hours and 37 minutes4 hours and 20 minutes3 male and 3 female50 (5 male and 5 female per lang.)Translated EUROM1 PassageEUROM1 PassageYesYesSoloop pitch movementsGivenGivenGivenYesYesYesYesJ-ToBINoNoYesJ-ToBINoNoYesYesYesJ-ToBINoNoYesYesYesJ-ToBINoNoYesYesNoNoYesYesYesJ-ToBINoNoYesYesNoNoYesYesNoNoYesYesNoNoYesYesNoYesNoYesNoYesNoYesNoYesYesYesNoYesYesYesYesYesNoYesYesYesNoYesYesYesNoYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYes <td< td=""><td>Tokyo dialect SpanishFrench, English, Italian, German, SpanishProjectDialogueDialogueItaliang3 hours and 37 minutes4 hours and 20 minutes3 male and 3 female50 (5 male and 5 female per lang.)Translated EUROM1 PassageEUROM1 PassageYesYesGivenGivenYesNoYesYesJ.ToBlNoNoYesJ.ToBlNoNoYesYesYesJ.ToBlNoNoYesYesYesJ.ToBlNoNoYesYesYesJ.ToBlNoNoYesYesYesYesNoYesYesNoYesYesNoNoYesYesNoNoYesYesNoNoYesYesNoYesNoYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesY</td></td<>	Tokyo dialect SpanishFrench, English, Italian, German, SpanishProjectDialogueDialogueItaliang3 hours and 37 minutes4 hours and 20 minutes3 male and 3 female50 (5 male and 5 female per lang.)Translated EUROM1 PassageEUROM1 PassageYesYesGivenGivenYesNoYesYesJ.ToBlNoNoYesJ.ToBlNoNoYesYesYesJ.ToBlNoNoYesYesYesJ.ToBlNoNoYesYesYesJ.ToBlNoNoYesYesYesYesNoYesYesNoYesYesNoNoYesYesNoNoYesYesNoNoYesYesNoYesNoYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesYesY



Annotation of Gesture in Speech Dialogue (Yasuo Horiuchi, Chiba University)

