

**FRIDAY, DECEMBER 1
HUMAN AND MACHINE SPEECH WORKSHOP PROGRAM**

MCDONALD WING		
9.00-9.40 AM		KEYNOTE PRESENTATION Dr Tanja Schultz Advanced Communication Technologies, Language Technologies Institute, Carnegie Mellon University Human-Computer Interaction based on Acoustic Signals, Muscle Movements, and Brainwaves
9.40		Questions and Discussion
9.50		Theme 1: Speech processing challenges: Human insights
9.50-10.15	9.50-10.10	Modelling of the Acoustic-Phonetics by the Hidden Dynamic Model (HDM) Paradigm Togneri
	10.10-10.15	Questions and Discussion
10.15-10.40	10.15-10.35	Development of conversational fluency: the challenges of speech production in real-time Jardine
	10.35-10.40	Questions and Discussion
10.40-11.05	10.40-11.00	Using Research on Human Language Processing to Improve Machine Language Processing Thompson
	11.00-11.05	Questions and Discussion
11.05-11.30 AM		MORNING TEA
11.30		Theme 2: Speech Technology with a Human Focus
11.30-11.55	11.30-11.50	Audio-Visual Speech Recognition with Amplitude and Frequency Modulations Groot
	11.50-11.55	Questions and Discussion
11.55-12.20	11.55-12.20	Applying Auditory and Neural Models to Hearing Aids and ASR Grayden
	12.20-12.25	Questions and Discussion
12.20-12.40		Speech technology in the commercial world Feldon
12.40-1.40 PM		LUNCH
1.40-2.00		Discussion: Mind the gap
2.00-2.50 PM		KEYNOTE PRESENTATION Prof Anne Cutler Max Planck Institute for Psycholinguistics, Netherlands The impact of vocabulary structure on spoken-word recognition
2.50		Theme 3: Talker Accent
2.50-3.15	2.50-3.10	Listener discrimination of accent Pederson
	3.10-3.15	Questions and Discussion



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3.15-3.40	3.15-3.35	Evaluating the intelligibility of diverse accented speakers: practical methods & theoretical implications	Harding
	3.35-3.40	Questions and Discussion	
3.40-4.10 PM		AFTERNOON TEA	
4.10		Theme 4: Speech Registers and Timing and Music	
4.10-4.35	4.10-4.30	Attentional, affective, and linguistic speech components in infant-, pet-, foreigner-, and computer-directed speech	Kitamura
	4.30-4.35	Questions and Discussion	
4.35-5.00	4.35-4.55	Music, speech and a theory of mind: Investigations with a computational model of musical emotions	Livingstone
	4.55-5.00	Questions and Discussion	
5.00-5.20		Discussion: Where to go next?	

